



# STIC Search Report

## EIC 3600

STIC Database Tracking Number: 152085

**TO: Mark Fadok**  
**Location: Knox - 5A21**  
**Art Unit : 3625**  
**Monday, May 02, 2005**  
**Case Serial Number: 09/679262**

**From: Janice Burns**  
**Location: EIC 3600**  
**Knox / 4B71**  
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### Search Notes

Dear Examiner

Please read though the following results.

If you have any questions please feel free to contract me.

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*Reviewed  
Kwic  
EW  
5-2-05*



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WYC:imp 60304L 1/18/05

Only by impermissible hindsight – supplemented by introduction of acts not taught by either reference – could the arrangements of claims 1-9 be achieved.

Perkowski, which allegedly anticipates claims 10-13, concerns a bar code system permitting a consumer to obtain additional product information in a retail store. However, Perkowski fails to teach the particular application claimed, namely identifying clothing or accessories that complement a particular garment, by reference to multi-bit data decoded from a garment tag.

# 1. Claim 1

Claim 1 is an independent method claim that concerns electronic ordering from a printed catalog:

*1. An electronic commerce method comprising:  
providing a printed catalog that includes an image of an article offered for sale by a merchant, wherein the image is steganographically encoded with plural-bit binary data;  
optically sensing the image to produce image data corresponding thereto;  
decoding the steganographically encoded data from the image data; and  
electronically ordering the article from the merchant by use of said decoded data, wherein said ordering makes use of earlier-stored customer profile information.*

The Final rejection states, "Bloomberg teaches providing a printed catalog."

Contrary to the Action, Bloomberg does not so teach. Bloomberg does not mention catalogs. A full text search of the patent finds no occurrence of the word "catalog."

The Final rejection further states "Bloomberg teaches providing a printed catalog that includes an image of an article offered for sale by a merchant."<sup>30</sup> Again, however, Bloomberg does not so teach. The reference appears to have no disclosure concerning any article offered for

<sup>29</sup> July 14, 2004, Final Rejection, page 4, line 12 (not counting blank lines).  
<sup>30</sup> July 14, 2004, Final Rejection, page 4, lines 12-13.

clients, and the services merely for the "casual" and millions of "creative property" using the codes and reporting the results to the clients. CAP and BML have "lower tech" approaches to this system, etc.

A large coordinated monitoring service using the principles of this invention would classify the creative property supplier clients into two basic categories, those that provide master codes themselves and will be able to remain secure and unpublished, and those that are unable to provide domain master codes (and thereby are the most vulnerable). The monitoring service would perform the same tasks (checks) of publicly available digital codes, including doing high level pattern checks with the use of super computers. Magazine ads and images would be scanned for, or analysis, video grabbed off of domain master codes would be digitized, audio would be sampled, public Internet sites randomly downloaded, etc. These master data streams would then be fed into an ever-churning monitoring program which randomly looks for pattern matches across this large bank of public and private codes, and the material it is checking. A small sub-set, which is likely to probably be a large set, will be flagged as not a match, and data on which these will be fed into a monitoring program which begins to attempt to identify which of the flagged material is present and to perform a more detailed search on the flagged material. Presumably a small set of the flagged material as flagged match material, once a match is found, would be positively identified and a monitoring report would be sent to the client so that they can verify that it is a legitimate sale of their material. The same principles of the private monitoring service outlined above apply in this case as well. The monitoring service could also serve as a formal bully in cases of a found and proven infringing material, sending out letters to infringing parties witnessing the found infringement, and seeking inflated royalties so that the infringing parties can avoid the more costly alternative of going to court.

The invention claimed is:

1. A method of initiating access to a first computer process from a second computer process, said first and second computer processes being capable of operating upon data objects and content files, the method comprising:

creating a data object which contains particular information that can be used to initiate a particular action in said first computer process;

steganographically embedding said data object in a content file which can be operated upon by said second computer process;

operating upon said content file by said second computer process; and

said second computer process utilizing said particular information to initiate a link to said first computer process.

2. The method of claim 1 wherein the creating step includes the substep of including in the content file a human-perceptible indicium for indicating the presence of the steganographically embedded data object.

3. The method of claim 1 wherein the steganographically embedded data object includes a discrete address.

4. The method of claim 1 wherein the steganographically embedded data object includes a text number for use in accessing a data base in the first computer process.

5. A system for initiating access to a first computer process from a second computer process, said first and second computer processes being capable of operating upon data objects and content files, said system comprising:

a data object which contains particular information which can be used to initiate a particular action in said first computer process;

a content file accessible to said second computer process wherein said content file implicitly embeds therein said data object; and

means in said second computer process for operating upon said content file and for using said data object to initiate a link to said first computer process.

6. A system according to claim 5 in which the data object distributable over a computer network that has sites with discrete addresses, the data object including:

user interface information presentable to a user at one of the network sites in audio or visual form; and

address information steganographically embedded in the content file, the address information being indicative of a discrete address of a site of one of said computer processes.

7. The system of claim 6 in which the data object further includes an icon presentable to a user at one of the network sites in audio or visual form, the icon being indicative of the presence of the steganographically embedded address information.

8. The system of claim 6 wherein the user interface information is graphic data visually presented to a user at one of the network sites.

9. A system according to claim 5 implemented as a computer network system that has a plurality of sites, each site having a discrete address, the system including means for distributing a hypertext document that comprises said data object and an attached header file, an improved hypertext document comprising a data object having address information embedded therein and improved user interface programs which automatically recognize the existence of the address information, and which automatically route users to that address after user instructions to do so.

10. A system according to claim 5 in which the data object includes function code defining a linking function;

the second computer process, including:

means for extracting the function code from the decoded data object; and

means for executing the linking function in accordance with the function code.

11. A system according to claim 10 in which the function code includes software operable on the second computer process to route the user to the address in the decoded data object.

12. A system according to claim 10 in which the first computer analyzes the data object to determine whether it recognizes and can execute the function code.

13. A method according to claim 11 in which the data file includes a hypertext document.

14. A system according to claim 5 in which the data object includes a URI comprising an address and the first computer process includes means responsive to initiation of the link for sending a data file to the second computer process.

15. A system according to claim 5 in which the network includes a data communications medium by which the first and second computer processes are connected, each computer process on the network having a unique address, the data communications medium includes an address connection, and the first and second computer processes each have one said address which includes a domain name, the data object including the domain name of the first computer process.

16. A system according to claim 5 including means for imprinting the steganographically embedded data object in a visible image and means for inputting a data file defining the visible image as the content file into the first computer process.

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**statistical multiplexer** *n.* A multiplexing device that adds intelligence to time-division multiplexing by using buffering (temporary storage) and a microprocessor to combine transmission streams into a single signal and to allocate available bandwidth dynamically. *Also called:* stat mux. *See also* dynamic allocation, multiplexing, time-division multiplexing.

**statistics** *n.* The branch of mathematics that deals with the relationships among groups of measurements and with the relevance of similarities and differences in those relationships. *See also* binomial distribution, Monte Carlo method, probability, regression analysis, standard deviation, stochastic.

**stat mux** *n.* *See* statistical multiplexer.

**status** *n.* The condition at a particular time of any of numerous elements of computing—a device, a communications channel, a network station, a program, a bit, or other element—used to report on or to control computer operations.

**status bar** *n.* In Windows 9x and Windows NT 4 and later, a space at the bottom of many program windows that contains a short text message about the current condition of the program. Some programs also display an explanation of the currently selected menu command in the status bar. *See the illustration.*

Page 2 Sec 1 2/46 At 4" Ln 19 Col 9

#### Status bar.

**status codes** *n.* Strings of digits or other characters that indicate the success or failure of some attempted action. Status codes were commonly used to report the results of early computer programs, but most software today uses words or graphics. Internet users, especially those with UNIX shell accounts, are likely to encounter status codes while using the Web or FTP. *See also* HTTP status codes.

**steganography** *n.* A "hide-in-plain-sight" technique for concealing information by embedding a message within an innocuous cover message. In steganography, bits of unnecessary data within an image, sound, text, or even a blank file are replaced with bits of invisible information. The term steganography comes from the Greek for "covered writing" and has traditionally included any method of secret communication that conceals the existence of the message. Because steganography cannot be detected by decryption software, it is often used to replace or supplement encryption.

**step-frame** *n.* The process of capturing video image frame at a time. This process is used by computers too slow to capture analog video images in real time.

**stepper motor** *n.* A mechanical device that rotates fixed distance each time it receives an electrical pulse. A stepper motor is part of a disk drive.

**step-rate time** *n.* The time required to move a disk arm from one track to the next. *See also* actuator, stepper motor.

**stereogram** *n.* *See* autostereogram.

**sticky** *adj.* In reference to a Web site, properties of targeted content or services that increase the amount of time users choose to spend at the site and increase their desire to return to the site repeatedly.

**StickyKeys** *n.* An accessibility feature built into Macintosh and Windows computers that causes modifier keys such as Shift, Control, or Alt to "stay on" after they are pressed, eliminating the need to press multiple keys simultaneously. This feature facilitates the use of modifiers by users who are unable to hold down one key while pressing another.

**stochastic** *adj.* Based on random occurrences. For example, a stochastic model describes a system by taking account of chance events as well as planned events.

**stop bit** *n.* In asynchronous transmission, a bit that marks the end of a character. In early electromechanical teleprinters, the stop bit provided time for the receiver mechanism to coast back to the idle position and, depending on the mechanism, had a duration of 1.5 to 2 data bits. *See also* asynchronous transmission, C parity, parity bit, start bit.

**Stop error** *n.* A serious error that affects the operating system and that could place data at risk. The operating system generates an obvious message, a screen with "Stop error," rather than continuing on and possibly corrupting data. *Also called:* blue screen error, fatal system error. *See also* Blue Screen of Death.

**storage** *n.* In computing, any device in or on which information can be kept. Microcomputers have two main types of storage: random access memory (RAM) and disk and other external storage media. Other types of storage include read-only memory (ROM) and buffers.

**storage area network** *n.* A high-speed network that provides a direct connection between servers and storage devices, including shared storage, clusters, and disaster-recovery systems.

Set	Items	Description
S1	28041	STEGANOGRAPH? OR WATERMARK? OR WATER()MARK? OR (BINARY OR - ENDCOD? OR EMBED? OR IMBED? OR CONCEAL? OR HIDDEN OR OBJECT) (- N) (DATA OR IMAGE? ? OR DESIGN? ? OR DISPLAY? ? OR DRAWING? ? - OR GRAPH? OR MESSAGE? ? OR TEXT OR INDICIUM OR INDICIA)
S2	1297395	SCAN? ? OR SCANN? OR SENS??? OR DECOD? OR RECOGNI? OR INPU- T? OR WAND??? OR SWIP??? OR READ??? OR OPTICAL(1W)DEVICE?
S3	1656433	LINK? OR CONNECT? OR CONTACT? OR ACCESS? OR ORDER?
S4	4942	S1(S)S2(S)S3
S5	249	S4 AND IC=G06F-017/60
S6	0	S5 NOT PY>1995
S7	27675	(E OR ELECTRONIC OR ON()LINE OR ONLINE OR INTERNET OR NET - OR WEB OR WWW OR REMOTE OR VIRTUAL? OR DIGITAL? OR CYBER OR (- AT OR IN) ()HOME) (1W) (COMMERCE OR SHOP? OR SELLING OR RETAIL? - OR SALE? ? OR ORDER? OR PURCHAS? OR TRANSACT? OR EXCHANGE? OR MARKET? OR TR
S8	134	S4(S)S7
S9	10	S8 NOT PY>1995
S10	322	STEGANOGRAPH?
S11	15	S10(S)S7
S12	0	S11 NOT PY>1995

? show files

File 348:EUROPEAN PATENTS 1978-2005/Apr W04

(c) 2005 European Patent Office

File 349:PCT FULLTEXT 1979-2005/UB=20050428,UT=20050421

(c) 2005 WIPO/Univentio

11/TI/1 (Item 1 from file: 348)  
DIALOG(R)File 348:(c) 2005 European Patent Office. All rts. reserv.

Methods and apparatus for continuous control and protection of media content  
Verfahren und Vorrichtung für fort dauernde Kontrolle und Schutz von Medieninhalt  
Methode et appareil pour le controle et la protection continu d'un contenu media

11/TI/2 (Item 2 from file: 348)  
DIALOG(R)File 348:(c) 2005 European Patent Office. All rts. reserv.

Methods and apparatus for continuous control and protection of media content  
VERFAHREN UND VORRICHTUNG FÜR FORTDAUERENDE KONTROLLE UND SCHUTZ VON MEDIENINHALT  
PROCEDES ET APPAREIL DE COMMANDE ET DE PROTECTION CONTINUES DU CONTENU DE SUPPORTS

11/TI/3 (Item 3 from file: 348)  
DIALOG(R)File 348:(c) 2005 European Patent Office. All rts. reserv.

Methods and systems for controlling computers or linking to internet resources from physical and electronic objects  
Verfahren und Systeme zum Steuern von Computern oder zum Verbinden von Internet-Information mit physikalischen und elektronischen Objekten  
Methodes et systemes pour commander des ordinateurs ou pour lier des informations sur l'Internet avec des objets physiques et electroniques

11/TI/4 (Item 4 from file: 348)  
DIALOG(R)File 348:(c) 2005 European Patent Office. All rts. reserv.

Initiating a link between computers based on the decoding of an address steganographically embedded in an audio object  
Verbindungsherstellung zwischen Computern beruhend auf der Dekodierung einer steganographisch in einem Audioobjekt eingebetteten Adresse  
Initialisation d'une liaison entre ordinateurs basee sur le decodage d'une adresse enrobee steganographiquement dans un objet audio.

11/TI/5 (Item 1 from file: 349)  
DIALOG(R)File 349:(c) 2005 WIPO/Univentio. All rts. reserv.

METHOD AND APPARATUS FOR CREATING AND VALIDATING AN ENCRYPTED DIGITAL RECEIPT FOR THIRD-PARTY ELECTRONIC COMMERCE TRANSACTIONS  
PROCEDE ET APPAREIL SERVANT A CREER ET A VALIDER UN RECU NUMERIQUE CHIFFRE POUR TRANSACTIONS COMMERCIALES ELECTRONIQUES DE TIERCES PARTIES

11/TI/6 (Item 2 from file: 349)  
DIALOG(R)File 349:(c) 2005 WIPO/Univentio. All rts. reserv.

INFORMATION EMBEDDING METHOD  
PROCEDE D'INTEGRATION ET D'EXTRACTION D'INFORMATIONS

11/TI/7 (Item 3 from file: 349)  
DIALOG(R)File 349:(c) 2005 WIPO/Univentio. All rts. reserv.

DIGITAL WATERMARKS AND TRADING CARDS  
FILIGRANES NUMERIQUES ET CARTES A ECHANGER

11/TI/8 (Item 4 from file: 349)  
DIALOG(R)File 349:(c) 2005 WIPO/Univentio. All rts. reserv.

METHOD AND APPARATUS FOR TRANSFERRING OR RECEIVING DATA VIA THE INTERNET  
SECURELY  
PROCEDE ET APPAREIL POUR TRANSFERER OU RECEVOIR DES DONNEES PAR INTERNET DE  
MANIERE SURE

11/TI/9 (Item 5 from file: 349)  
DIALOG(R)File 349:(c) 2005 WIPO/Univentio. All rts. reserv.

SYSTEMS, METHODS AND DEVICES FOR TRUSTED TRANSACTIONS  
SYSTEMES, PROCEDES ET DISPOSITIFS DE TRANSACTIONS EPROUVEES

11/TI/10 (Item 6 from file: 349)  
DIALOG(R)File 349:(c) 2005 WIPO/Univentio. All rts. reserv.

INTERFACE FOR CONVERSION OF ELECTRONIC CURRENCY TO ACCEPTED METHOD OF  
PAYMENTS TO MERCHANTS/ENTITIES  
INTERFACE DE CONVERSION DE MONNAIE ELECTRONIQUE EN MODALITES DE PAIEMENT  
ADMISES A DES COMMERÇANTS/ENTITES

11/TI/11 (Item 7 from file: 349)  
DIALOG(R)File 349:(c) 2005 WIPO/Univentio. All rts. reserv.

METHOD AND SYSTEM FOR USING ENCODED INTERACTIVE GAMES  
PROCEDE ET SYSTEME D'UTILISATION DE JEUX INTERACTIFS CODES

11/TI/12 (Item 8 from file: 349)  
DIALOG(R)File 349:(c) 2005 WIPO/Univentio. All rts. reserv.

METHODS AND SYSTEMS FOR CONTROLLING COMPUTERS OR LINKING TO INTERNET  
RESOURCES FROM PHYSICAL AND ELECTRONIC OBJECTS  
PROCEDES ET SYSTEMES DE CONTROLE D'ORDINATEURS OU DE LIAISON AUX RESSOURCES  
INTERNET D'OBJETS PHYSIQUES ET ELECTRONIQUES

11/TI/13 (Item 9 from file: 349)  
DIALOG(R)File 349:(c) 2005 WIPO/Univentio. All rts. reserv.

METHODS AND APPARATUS FOR CONTINUOUS CONTROL AND PROTECTION OF MEDIA  
CONTENT

PROCEDES ET APPAREIL DE COMMANDE ET DE PROTECTION CONTINUES DU CONTENU DE  
SUPPORTS

11/TI/14 (Item 10 from file: 349)  
DIALOG(R)File 349:(c) 2005 WIPO/Univentio. All rts. reserv.

CRYPTOGRAPHIC METHODS, APPARATUS AND SYSTEMS FOR STORAGE MEDIA ELECTRONIC  
RIGHTS MANAGEMENT IN CLOSED AND CONNECTED APPLIANCES  
PROCEDES, APPAREILS ET SYSTEMES DE CHIFFREMENT POUR LA GESTION ELECTRONIQUE  
DES DROITS RELATIFS AUX SUPPORTS DE STOCKAGE DANS DES APPAREILS FERMES  
ET INTERCONNECTES

11/TI/15 (Item 11 from file: 349)  
DIALOG(R)File 349:(c) 2005 WIPO/Univentio. All rts. reserv.

METHOD FOR AN ENCRYPTED DIGITAL WATERMARK  
PROCEDE RELATIF A UN FILIGRANE NUMERIQUE CODE



Set	Items	Description
S1	37707	STEGANOGRAPH? OR WATERMARK? OR WATER()MARK? OR (BINARY OR - ENDCOD? OR EMBED? OR IMBED? OR CONCEAL? OR HIDDEN OR OBJECT) (- N) (DATA OR IMAGE? ? OR DESIGN? ? OR DISPLAY? ? OR DRAWING? ? - OR GRAPH? OR MESSAGE? ? OR TEXT OR INDICIUM OR INDICIA)
S2	3564730	SCAN? ? OR SCANN? OR SENS??? OR DECOD? OR RECOGNI? OR INPU- T? OR WAND??? OR SWIP??? OR READ??? OR OPTICAL(1W)DEVICE?
S3	6068027	LINK? OR CONNECT? OR CONTACT? OR ACCESS? OR ORDER?
S4	4271	S1 AND S2 AND S3
S5	89	S4 AND IC=G06F-017/60
S6	1	S5 NOT PY>1995

? show files

File 344:Chinese Patents Abs Aug 1985-2004/May

(c) 2004 European Patent Office

File 347:JAPIO Nov 1976-2004/Dec(Updated 050405)

(c) 2005 JPO & JAPIO

File 350:Derwent WPIX 1963-2005/UD,UM &UP=200527

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6/5/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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010356516 \*\*Image available\*\*  
WPI Acc No: 1995-257830/199534

**Loss management system for commuter ticket issue appts - incorporates registration unit to register lost object data input with input part into memory unit of host computer**

Patent Assignee: TOSHIBA KK (TOKE )  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 7160769	A	19950623	JP 93308999	A	19931209	199534 B

Priority Applications (No Type Date): JP 93308999 A 19931209

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 7160769	A		8	G06F-017/60	

Abstract (Basic): JP 7160769 A

The loss management system consists of two or more **connections** of commuter ticket issue appts to a host computer through a communication line. The host computer consists of a memory unit which stores the lost **object data**.

A reference unit searches the lost object from the lost **object data** stored in the memory unit. An **input** part of the commuter ticket issue appts **inputs** the lost **object data**. A registration unit registers the lost **object data input** with the **input** part into the memory unit of the host computer.

**ADVANTAGE** - Provides very efficient loss object management system. Avoids need for asking many stations repeatedly. Provides lost object management which manages lost object collectively.

Dwg.1/12

Title Terms: LOSS; MANAGEMENT; SYSTEM; COMMUTER; TICKET; ISSUE; APPARATUS; INCORPORATE; REGISTER; UNIT; REGISTER; LOST; OBJECT; DATA; **INPUT** ; **INPUT** ; PART; MEMORY; UNIT; HOST; COMPUTER

Derwent Class: T01

International Patent Class (Main): **G06F-017/60**

International Patent Class (Additional): G07B-001/00; G07B-015/00

File Segment: EPI

Set	Items	Description
S1	37707	STEGANOGRAPH? OR WATERMARK? OR WATER()MARK? OR (BINARY OR - ENDCOD? OR EMBED? OR IMBED? OR CONCEAL? OR HIDDEN OR OBJECT) (- N) (DATA OR IMAGE? ? OR DESIGN? ? OR DISPLAY? ? OR DRAWING? ? - OR GRAPH? OR MESSAGE? ? OR TEXT OR INDICIUM OR INDICIA)
S2	3564730	SCAN? ? OR SCANN? OR SENS??? OR DECOD? OR RECOGNI? OR INPU- T? OR WAND??? OR SWIP??? OR READ??? OR OPTICAL(1W)DEVICE?
S3	6068027	LINK? OR CONNECT? OR CONTACT? OR ACCESS? OR ORDER?
S4	4271	S1 AND S2 AND S3
S5	89	S4 AND IC=G06F-017/60
S6	1	S5 NOT PY>1995
S7	21057	MERCHANT? OR MANUFACTURER? OR RETAILER? OR SELLER? OR VEND- ORS
S8	105099	BUYER? OR CONSUMER? OR CUSTOMER? OR SHOPPER? OR PURCHASER?
S9	53	S4 AND (S7 OR S8)
S10	4	S9 NOT PY>1995

? show files

File 344:Chinese Patents Abs Aug 1985-2004/May

(c) 2004 European Patent Office

File 347:JAPIO Nov 1976-2004/Dec(Updated 050405)

(c) 2005 JPO & JAPIO

File 350:Derwent WPIX 1963-2005/UD,UM &UP=200527

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10/5/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
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03526861 \*\*Image available\*\*  
MANAGING DEVICE FOR ART OBJECT INFORMATION

PUB. NO.: 03-189761 [JP 3189761 A]  
PUBLISHED: August 19, 1991 (19910819)  
INVENTOR(s): TSUJI HIROKO  
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 01-330819 [JP 89330819]  
FILED: December 19, 1989 (19891219)  
INTL CLASS: [5] G06F-015/21  
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)  
JOURNAL: Section: P, Section No. 1276, Vol. 15, No. 451, Pg. 22,  
November 15, 1991 (19911115)

## ABSTRACT

PURPOSE: To efficiently manage information of an object of art by classifying and encoding a feature of the information of an object of art.

CONSTITUTION: An art object key item 17 is an item which is set in **order** to execute a united classification to each data, the kind of a work of art, the year and month of manufacture, a **reading** KANA (Japanese syllabary) of the name of a work of art, etc., are encoded. A **manufacturer** information outline 18 is an item group having an item of the same format as a primary key of a record of a **manufacturer** data base 15 in the head, an outline of **manufacturer** information is stored therein, and other item 19 is a detailed information group of an object of art containing a sentence item. An operator **inputs** data by an interactive format from a screen with regard to these three item groups, and as for the **manufacturer** information outline 18, by **inputting** only a **manufacturer** primary key, an execution key is depressed, and thereafter, a **manufacturer** data base is **accessed** as a function of a registration updating part 4. Subsequently, by referring to both the **manufacturer** primary keys and extracting the record of the **manufacturer** data base, a record of an art **object data** base is copied. In such a way, information of an object of art can be managed efficiently.

10/5/2 (Item 2 from file: 347)  
DIALOG(R)File 347:JAPIO  
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01933204 \*\*Image available\*\*  
AUTOMATIC GENERATING DEVICE OF SEQUENCE PROGRAM

PUB. NO.: 61-147304 [JP 61147304 A]  
PUBLISHED: July 05, 1986 (19860705)  
INVENTOR(s): ISHIHARA HIDE  
ICHIKI SHINYA  
FUJIMAKI AKIRA  
HAIJIMA SHINJI  
APPLICANT(s): HITACHI SEIKI CO LTD [330286] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 59-269341 [JP 84269341]

FILED: December 20, 1984 (19841220)  
 INTL CLASS: [4] G05B-019/02  
 JAPIO CLASS: 22.3 (MACHINERY -- Control & Regulation)  
 JAPIO KEYWORD: R063 (MACHINERY -- Numerical Control Machine Tools, NC)  
 JOURNAL: Section: P, Section No. 519, Vol. 10, No. 348, Pg. 18,  
 November 22, 1986 (19861122)

## ABSTRACT

PURPOSE: To attain ease of addition of a troubleshooting function by designing the titled device so that a ladder diagram file, a mnemonic file in a host computer and an **object data** file in a low- **order** computer are converted in forward/ backward way one another.

CONSTITUTION: A ladder diagram keyed in from a keyboard 6a by the operator is stored once as a ladder diagram data file A, converted in forward/backward way to a mnemonic code, stored in a mnemonic data file B, transferred to a low- **order** computer 3, converted in forward/backward way into an object code and stored in an **object data** file C. The data is loaded down to a simulator 4 and outputted on an **input** /output device 5. Since the object code is delivered to many **customers** by the **input** /output device such as a cassette tape incorporated in the system, correction/edition of a sequence program are attained easily.

10/5/3 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
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008260972 \*\*Image available\*\*  
 WPI Acc No: 1990-147973/199019  
 XRPX Acc No: N90-114675

**Self-clocking three-part encoding scheme - defining polarities by sending alignment signal followed by long pause followed by data transition**

Patent Assignee: EASTMAN KODAK CO (EAST )

Inventor: WASH M L

Number of Countries: 013 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9004290	A	19900419				199019 B
US 4965575	A	19901023	US 88255578	A	19881007	199045
EP 438460	A	19910731	EP 89911447	A	19891004	199131
JP 4501047	W	19920220	JP 89510715	A	19891004	199214
EP 438460	B1	19941228	EP 89911447	A	19891004	199505
			WO 89US4359	A	19891004	
DE 68920329	E	19950209	DE 620329	A	19891004	199511
			EP 89911447	A	19891004	
			WO 89US4359	A	19891004	

Priority Applications (No Type Date): US 88255578 A 19881007

Cited Patents: GB 2079566; US 4027335

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
 WO 9004290 A

Designated States (National): JP

Designated States (Regional): AT BE CH DE FR GB IT LU NL SE

EP 438460 A

Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE

JP 4501047 W 3

EP 438460 B1 E 6 H03M-005/14 Based on patent WO 9004290

Designated States (Regional): DE FR GB  
 DE 68920329 E H03M-005/14 Based on patent EP 438460  
 Based on patent WO 9004290

Abstract (Basic): WO 9004290 A

The system uses a normal three-part coding scheme in which data bits are given transitions of one polarity and clock pulses are transitions of the opposite polarity. The nature of the bits is given by the timing of the transitions with relation to the clock transitions. The apparatus detects the positions of the clock transitions and from these the data-transition positions and hence the encoded data.

The indication of which polarity is which is given by an alignment mark waveform, which consists of a series of pulses with equally spaced positive and negative transitions, which could not be data because it is illegal for data transitions to occur at the midpoint. They may be in first of second half to give a bit value. After the alignment mark waveform there is a long apause with the signal in the polarity corresponding to after clock. This defines polarity as the first transition is a data bit.

USE/ADVANTAGE - E.g. in data ecording. Polarity easily defined.  
 (8pp Dwg.No.3/3)

Title Terms: SELF; CLOCK; THREE; PART; ENCODE; SCHEME; DEFINE; POLARITY;  
 SEND; SIGNAL; FOLLOW; LONG; PAUSE; FOLLOW; DATA; TRANSITION; ALIGN  
 Index Terms/Additional Words: CODE; RULE; VIOLATION  
 Derwent Class: T03; U21; U22; W01  
 International Patent Class (Additional): H03M-005/14; H04L-025/49  
 File Segment: EPI

10/5/4 (Item 2 from file: 350)  
 DIALOG(R)File 350:Derwent WPIX  
 (c) 2005 Thomson Derwent. All rts. reserv.

007602839  
 WPI Acc No: 1988-236771/198834

XRAM Acc No: C88-105892  
 XRPX Acc No: N88-179896

**Marking moving web - involves directing marking light beam through stencil and onto web along optically-switched path**  
 Patent Assignee: WIGGINS TEAPE LTD (ARJO ); WIGGINS TEAPE GROUP LTD (ARJO )

Inventor: BRANSDEN A S; MEGAW J H P; TERRY M J; WARD B A; MEGAW J H P C  
 Number of Countries: 018 Number of Patents: 012  
 Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 279505	A	19880824	EP 88300269	A	19880113	198834 B
AU 8810248	A	19880721				198836
JP 63191581	A	19880809	JP 886737	A	19880114	198837
FI 8800143	A	19880715				198842
ZA 8800244	A	19880823	ZA 88244	A	19880114	198848
PT 86545	A	19890130				198912
US 4874919	A	19891017	US 88143950	A	19880114	198951
EP 279505	B	19900725				199030
DE 3860344	G	19900830				199036
ES 2016673	B	19901116				199051
CA 1290816	C	19911015				199150
FI 90024	B	19930915	FI 88143	A	19880113	199341

Priority Applications (No Type Date): GB 87765 A 19870114

Cited Patents: 1.Jnl.Ref; A3...8836; EP 21165; EP 42173; EP 98013; FR 2158921; GB 2118882; GB 2126955; JP 59157612; No-SR.Pub; US 3702094; US 3821753; US 3827063

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 279505	A	E	16		
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Designated States (Regional): AT BE CH DE ES FR GB IT LI NL SE

US 4874919	A		16		
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EP 279505	B				
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Designated States (Regional): AT BE CH DE ES FR GB IT LI NL SE

FI 90024	B			B41M-005/24	patent FI 8800143
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Abstract (Basic): EP 279505 A

Method and appts. for forming markings on a moving web (10), involves directing a marking light beam (32) against the web (10), pref. a laser beam, via a stencil (84) and a focussing lens (90). The beam (32) is optically switched (70,78) to follow different paths, pref. by a system of rotating mirrors (71a).

Specifically the markings are repeatedly made at locations spaced across the web, e.g. of a web for slitting into strips and then into sheets each with a marking.

Pref. the mirrors (71a) and stencils (84) are on a common rotor (60).

ADVANTAGE - **Manufacturers** marks on paper sheets are made more easily than by **water - marking** processes.

3/10

Title Terms: MARK; MOVE; WEB; DIRECT; MARK; LIGHT; BEAM; THROUGH; STENCIL; WEB; OPTICAL; SWITCH; PATH

Derwent Class: F09; P55; P62; P74; P75; P81; Q36; X24; X25

International Patent Class (Main): B41M-005/24

International Patent Class (Additional): B23K-026/06; B23K-026/12;

B25H-007/04; B41F-017/00; B41J-003/20; B41M-005/26; B65H-023/18;

D06H-001/00; G02B-026/10; G02B-027/00

File Segment: CPI; EPI; EngPI

Set	Items	Description
S1	37707	STEGANOGRAPH? OR WATERMARK? OR WATER()MARK? OR (BINARY OR - ENDCOD? OR EMBED? OR IMBED? OR CONCEAL? OR HIDDEN OR OBJECT) (- N) (DATA OR IMAGE? ? OR DESIGN? ? OR DISPLAY? ? OR DRAWING? ? - OR GRAPH? OR MESSAGE? ? OR TEXT OR INDICIUM OR INDICIA)
S2	3564730	SCAN? ? OR SCANN? OR SENS??? OR DECOD? OR RECOGNI? OR INPU- T? OR WAND??? OR SWIP??? OR READ??? OR OPTICAL(1W)DEVICE?
S3	6068027	LINK? OR CONNECT? OR CONTACT? OR ACCESS? OR ORDER?
S4	4271	S1 AND S2 AND S3
S5	89	S4 AND IC=G06F-017/60
S6	1	S5 NOT PY>1995
S7	21057	MERCHANT? OR MANUFACTURER? OR RETAILER? OR SELLER? OR VEND- ORS
S8	105099	BUYER? OR CONSUMER? OR CUSTOMER? OR SHOPPER? OR PURCHASER?
S9	53	S4 AND (S7 OR S8)
S10	4	S9 NOT PY>1995
S11	29180	(E OR ELECTRONIC OR ON()LINE OR ONLINE OR INTERNET OR NET - OR WEB OR WWW OR REMOTE OR VIRTUAL? OR DIGITAL? OR CYBER OR (- AT OR IN) ()HOME) (1W) (COMMERCE OR SHOP? OR SELLING OR RETAIL? - OR SALE? ? OR ORDER? OR PURCHAS? OR TRANSACT? OR EXCHANGE? OR MARKET? OR TR
S12	21	S4 AND S11
S13	1	S12 NOT PY>1995

? show files

File 344:Chinese Patents Abs Aug 1985-2004/May  
(c) 2004 European Patent Office

File 347:JAPIO Nov 1976-2004/Dec(Updated 050405)  
(c) 2005 JPO & JAPIO

File 350:Derwent WPIX 1963-2005/UD,UM &UP=200527  
(c) 2005 Thomson Derwent



13/5/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.

004326079

WPI Acc No: 1985-152957/198526

XRPX Acc No: N85-115456

**Mobile radio-communication system for speech and binary data - using  
frequency-shift-keyed transmission and demodulation with over-sampling**

Patent Assignee: ALCATEL NV (ALCA-N); ITT IND BELGIUM SA (INTT )

Number of Countries: 003 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
BE 901232	A	19850607	BE 901232	A	19841207	198526 B
GB 2168878	A	19860625	GB 8528828	A	19851122	198626
AU 8550339	A	19860612				198631
GB 2168878	B	19890201				198905
AU 8824159	A	19890127				198913

Priority Applications (No Type Date): BE 901232 A 19841207; BE 260561 A  
19841207

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
BE 901232	A	23		

Abstract (Basic): BE 901232 A

The mobile stations are **linked** by FSK radio to several base stations **connected** to a concentrator station and a **digital** telecommunication **exchange**, where the demodulator includes a noise filter for the sampling signals transmitted by the base stations. Supplementary sampling signals are derived by an oversampling circuit. Changes in polarity of both original and supplementary sampling signals are detected by a zero-crossing detector and a decision circuit which **recognises** the two transmission frequencies.

A transmission rate synchroniser also uses finite-state-machine software, to generate a validation signal synchronised with the oversampling. This opens or closes the transmission gate.

ADVANTAGE - Uses minimal supplementary equipment for quick and easy restitution of the binary gate generated at the mobile stations.

0/5

Title Terms: MOBILE; RADIO; COMMUNICATE; SYSTEM; SPEECH; BINARY; DATA;  
FREQUENCY; SHIFT; KEY; TRANSMISSION; DEMODULATE; SAMPLE

Index Terms/Additional Words: FSK

Derwent Class: W02

International Patent Class (Additional): H04B-007/26; H04L-027/10;  
H04O-007/04; H04Q-007/04

File Segment: EPI

12/TI/1 (Item 1 from file: 347)

DIALOG(R)File 347:(c) 2005 JPO & JAPIO. All rts. reserv.

ONLINE TRANSACTION METHOD

12/TI/2 (Item 2 from file: 347)

DIALOG(R)File 347:(c) 2005 JPO & JAPIO. All rts. reserv.

COMMUNICATION EQUIPMENT AND COMMUNICATION METHOD

12/TI/3 (Item 1 from file: 350)

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

Electronic transaction system, has processing server with unit to recognize coded information in image, and to transmit digital file having user identifier of telephone and identifier related to information, to transaction server

12/TI/4 (Item 2 from file: 350)

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

Analog electric signal to digital binary data converting method for silicon CMOS circuits, involves digitally monitoring occurrence of 1transition pulse that is triggered when analog input signal reaches predefined threshold value

12/TI/5 (Item 3 from file: 350)

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

Holographic digital watermark used e.g. for authenticating electronic transaction card, is created by demetallizing portions of metallized surface

12/TI/6 (Item 4 from file: 350)

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

Electronic information processing system e.g. for e - commerce , displays object image indicating transfer of order from client to service provider and transmits order only after completion of display of image

12/TI/7 (Item 5 from file: 350)

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

Security object generation method for data processing system, involves setting attributes defining characteristics of security object data ,0 and encapsulating set attributes and security object data

12/TI/8 (Item 6 from file: 350)

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

**Advertising method using geographic information system and cyber remodeling**

**12/TI/9 (Item 7 from file: 350)**

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

**Image print play apparatus for printing photographed object image on a sticker, has CPU that automatically sets up value of remaining number-of-sheets counter based on input number of sticker sheets**

**12/TI/10 (Item 8 from file: 350)**

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

**Apparatus, method and system for making electronic payment by using digital watermark**

**12/TI/11 (Item 9 from file: 350)**

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

**Online shopping system, business method using the same and recording media storing program capable of realizing business method and being readable to computer**

**12/TI/12 (Item 10 from file: 350)**

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

**Audio or video content tracking method for broadcast monitoring, involves decoding forensic identifier associated with forensic database and forensic identifier associated with user**

**12/TI/13 (Item 11 from file: 350)**

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

**Radio frequency identification system has RFID reader with pre-compensation plate for eliminating changes to RF field caused by influences of metal close to reader**

**12/TI/14 (Item 12 from file: 350)**

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

**Linking broadcast signal to a web site e.g. for electronic commerce via the Internet, embeds command data into broadcast signal which includes URLs and special codes, and transmits the broadcast signal to a home entertainment appliance**

**12/TI/15 (Item 13 from file: 350)**

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

**On and off digital marketing business model having electronic mail**

combined with digital decoder technique, promotion, and question

12/TI/16 (Item 14 from file: 350)

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

Real-time interactive e - commerce transaction for interactive television system, involves decoding interactive icon data simultaneously with compressed encoding of program for real time insertion of icon data with program

12/TI/17 (Item 15 from file: 350)

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

Digital watermarking method for audio and video data broadcasting, involves encoding digital source data to obtain steganographic auxiliary bit data and crediting payments in response to received auxiliary data

12/TI/18 (Item 16 from file: 350)

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

Operating a computer system e.g. for linking to internet resources from physical and electronic objects, using new user interfaces, such as identifiers that serve to trigger object-appropriate responses from computer

12/TI/19 (Item 17 from file: 350)

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

Three dimensional (3D) object image processing procedure for computer network - involves determining shape of object in 3D space with respect to specific rotation using rotation parameters and primary shape data

12/TI/20 (Item 18 from file: 350)

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

Information processing method for electronic transaction using Internet - involves receiving broadcast signal containing information for displaying display object used to access electronic transaction server

12/TI/21 (Item 19 from file: 350)

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

Mobile radio-communication system for speech and binary data - using frequency-shift-keyed transmission and demodulation with over-sampling

Set	Items	Description
S1	37707	STEGANOGRAPH? OR WATERMARK? OR WATER()MARK? OR (BINARY OR - ENDCOD? OR EMBED? OR IMBED? OR CONCEAL? OR HIDDEN OR OBJECT) (- N) (DATA OR IMAGE? ? OR DESIGN? ? OR DISPLAY? ? OR DRAWING? ? - OR GRAPH? OR MESSAGE? ? OR TEXT OR INDICIUM OR INDICIA)
S2	3564730	SCAN? ? OR SCANN? OR SENS??? OR DECOD? OR RECOGNI? OR INPU- T? OR WAND??? OR SWIP??? OR READ??? OR OPTICAL(1W)DEVICE?
S3	6068027	LINK? OR CONNECT? OR CONTACT? OR ACCESS? OR ORDER?
S4	4271	S1 AND S2 AND S3
S5	89	S4 AND IC=G06F-017/60
S6	1	S5 NOT PY>1995
S7	21057	MERCHANT? OR MANUFACTURER? OR RETAILER? OR SELLER? OR VEND- ORS
S8	105099	BUYER? OR CONSUMER? OR CUSTOMER? OR SHOPPER? OR PURCHASER?
S9	53	S4 AND (S7 OR S8)
S10	4	S9 NOT PY>1995
S11	29180	(E OR ELECTRONIC OR ON()LINE OR ONLINE OR INTERNET OR NET - OR WEB OR WWW OR REMOTE OR VIRTUAL? OR DIGITAL? OR CYBER OR (- AT OR IN) ()HOME) (1W) (COMMERCE OR SHOP? OR SELLING OR RETAIL? - OR SALE? ? OR ORDER? OR PURCHAS? OR TRANSACT? OR EXCHANGE? OR MARKET? OR TR
S12	21	S4 AND S11
S13	1	S12 NOT PY>1995
S14	225	STEGANOGRAPH?
S15	7	S14 AND S11
S16	0	S15 NOT PY>1995

? show files

File 344:Chinese Patents Abs Aug 1985-2004/May

(c) 2004 European Patent Office

File 347:JAPIO Nov 1976-2004/Dec(Updated 050405)

(c) 2005 JPO & JAPIO

File 350:Derwent WPIX 1963-2005/UD,UM &UP=200527

(c) 2005 Thomson Derwent

15/TI/1 (Item 1 from file: 350)

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

Integrated circuit device e.g. smart card, has processor which transmits selected set of defined commands with inherent functions not associated with authentication, to sending/receiving unit

15/TI/2 (Item 2 from file: 350)

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

Digital watermarking method of e.g. image content for electronic commerce transaction, involves embedding collection of features resistant to attack, in content

15/TI/3 (Item 3 from file: 350)

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

Steganographic encoding method for use in electronic processing system, involves embedding object identifiers into image at two different locations, where one location is integer, non-zero multiple of grid spacing value

15/TI/4 (Item 4 from file: 350)

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

Digital content distribution management system in electronic commerce application, matches/stores content identification and steganography information extracted from content, based on which transmission of content is controlled

15/TI/5 (Item 5 from file: 350)

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

Goods image content delivery apparatus for electronic commerce applications, embeds information related to protection copyrights with original content, while delivering visualization steganography information embedded with content

15/TI/6 (Item 6 from file: 350)

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

Document access control method in electronic document management, involves performing steganography processing to identified document content based on correction person's image and date attributes

15/TI/7 (Item 7 from file: 350)

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

Digital watermarking method for audio and video data broadcasting, involves encoding digital source data to obtain steganographic auxiliary bit data and crediting payments in response to received

EIC 3600

Dialog Search

auxiliary data

JMB

Date: 02-May-05

Set	Items	Description
S1	50724	STEGANOGRAPH? OR WATERMARK? OR WATER()MARK? OR (BINARY OR - ENDCOD? OR EMBED? OR IMBED? OR CONCEAL? OR HIDDEN OR OBJECT) (- N) (DATA OR IMAGE? ? OR DESIGN? ? OR DISPLAY? ? OR DRAWING? ? - OR GRAPH? OR MESSAGE? ? OR TEXT OR INDICIUM OR INDICIA)
S2	6168467	SCAN? ? OR SCANN? OR SENS??? OR DECOD? OR RECOGNI? OR INPU- T? OR WAND??? OR SWIP??? OR READ??? OR OPTICAL(1W)DEVICE?
S3	15069210	LINK? OR CONNECT? OR CONTACT? OR ACCESS? OR ORDER?
S4	7201	S1(3S)S2(3S)S3
S5	1979051	(E OR ELECTRONIC OR ON()LINE OR ONLINE OR INTERNET OR NET - OR WEB OR WWW OR REMOTE OR VIRTUAL? OR DIGITAL? OR CYBER OR (- AT OR IN) (HOME) (1W) (COMMERCE OR SHOP? OR SELLING OR RETAIL? - OR SALE? ? OR ORDER? OR PURCHAS? OR TRANSACT? OR EXCHANGE? OR MARKET? OR TR
S6	746	S4(3S)S5
S7	34	S6 NOT PY>1995
S8	454	S1(2S)S2(2S)S3(2S)S5
S9	13	S8 NOT PY>1995
S10	10	RD (unique items)

? show files

File 9:Business & Industry(R) Jul/1994-2005/Apr 28

(c) 2005 The Gale Group

File 275:Gale Group Computer DB(TM) 1983-2005/May 02

(c) 2005 The Gale Group

File 621:Gale Group New Prod.Annou.(R) 1985-2005/May 02

(c) 2005 The Gale Group

File 636:Gale Group Newsletter DB(TM) 1987-2005/May 02

(c) 2005 The Gale Group

File 16:Gale Group PROMT(R) 1990-2005/Apr 29

(c) 2005 The Gale Group

File 160:Gale Group PROMT(R) 1972-1989

(c) 1999 The Gale Group

File 148:Gale Group Trade & Industry DB 1976-2005/May 02

(c) 2005 The Gale Group



10/3,K/1 (Item 1 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2005 The Gale Group. All rts. reserv.

1156107 Supplier Number: 01156107 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**IBM Digital Library Framework For Electronic Publishing**  
(IBM has announced the Digital Library technology framework aimed at  
electronic publishers of text and multimedia information)  
Newsbytes News Network, p N/A  
March 28, 1995  
DOCUMENT TYPE: Journal (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 520

(USE FORMAT 7 OR 9 FOR FULLTEXT)

ABSTRACT:

...focus is on integrating these existing products to work better together, Jon Prial, manager of **digital library market** development with IBM, told Newsbytes. Other components of IBM Digital Library will include the company ...

...relational database software as a basic storage structure, and technology to help information providers control **access** to their information and ensure that they receive payment for its use. Prial said this...

...and metering to control the use of information. It will also use visible and invisible " **watermarks** " to identify the owners of information. This capability is already being demonstrated on IBM's...

...will help retrieve more relevant documents. For instance, the software will be smart enough to **recognize** that a reference to the "White House" is different from one to a "white house..."

TEXT:

...focus is on integrating these existing products to work better together, Jon Prial, manager of **digital library market** development with IBM, told Newsbytes.

Other components of IBM Digital Library will include the company...

...relational database software as a basic storage structure, and technology to help information providers control **access** to their information and ensure that they receive payment for its use.

Prial said this...

...and metering to control the use of information. It will also use visible and invisible " **watermarks** " to identify the owners of information. This capability is already being demonstrated on IBM's...

10/3,K/2 (Item 1 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2005 The Gale Group. All rts. reserv.

01857034 SUPPLIER NUMBER: 17367490 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Can copyright survive the digital age? (copyright strategies and alternatives)**

Wyllie, Margie

Digital Media, v5, n2, p7(3)

July 3, 1995

ISSN: 1056-7038

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 1869

LINE COUNT: 00146

... Those technologies usually involve a software component and/or (less frequently) hardware that make a **connection** between users and owners. Such proposals have included wrapping intellectual property in software "envelopes" that...

...charge him for making a copy.

Digimarc Corp. of Portland, Oregon is developing an "electronic **watermark**" system. The company's technology' imbeds an invisible code into an image. Honest folk buy rights to the image and may even buy special Digimarc equipped computers and copiers that **scan** the code and pay the copyright holder when the image is used. Dishonest folk can...

...Mackworth. But the technology' isn't just for catching bad guys. If copyright holders imbed **watermarks** with publicly known keys, it would be possible for an interested browser to retrieve a telephone number or more details about an image she found **online**.

In **order** for digital **watermarks** to work, however, copyright law would have to be altered to make it a crime to alter or remove **watermarks**.

Perhaps the most sophisticated and complex idea to track copyright in cyberspace comes from Ted...

10/3,K/3 (Item 2 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

(c) 2005 The Gale Group. All rts. reserv.

01720436 SUPPLIER NUMBER: 15989574 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Back from the ledge. (former Novell Inc executive James C. Bills joins**

**PaperWise Inc as CEO) (PC Week Inside)(Inside People)**

Silverthorne, Sean

PC Week, v11, n49, pA3(1)

Dec 12, 1994

ISSN: 0740-1604

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 1184 LINE COUNT: 00089

... by competition, but in heaven there isn't much of that around. So he was **ready** to return to the industry when the PaperWise board asked him to save the company...

...to find guys who will go in and make somebody buy something, not take an **order**. The first Novell resellers that were successful, there wasn't anything respectable about them." Once in place, the sales team will target the departmental level and small business because **e sales** cycles are shorter and the competition more thin.

The company's ImageWise, DataWise, PaperRoute, and...

10/3,K/4 (Item 1 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

(c) 2005 The Gale Group. All rts. reserv.

02678471 Supplier Number: 45430877 (USE FORMAT 7 FOR FULLTEXT)  
**IBM Digital Library Framework For Electronic Publishing 03/28/95**  
Newsbytes, pN/A  
March 28, 1995  
Language: English Record Type: Fulltext  
Document Type: Newswire; General Trade  
Word Count: 538

... relational database software as a basic storage structure, and technology to help information providers control **access** to their information and ensure that they receive payment for its use.

Prial said this...

...and metering to control the use of information. It will also use visible and invisible " **watermarks** " to identify the owners of information. This capability is already being demonstrated on IBM's...

**10/3,K/5 (Item 2 from file: 636)**  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2005 The Gale Group. All rts. reserv.

02608667 Supplier Number: 45277378 (USE FORMAT 7 FOR FULLTEXT)  
**INTERNET ISSUES**  
Exchange, v7, n1, pN/A  
Jan 20, 1995  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 388

... of Internet Australasia magazine appear in December 1994. Many would-be on-line service providers **sense** that there is money to be made from the current trend for being on the net and are establishing **access** facilities for the price of a Unix computer, a few phone lines and an ISDN ...

...Wide Web and of Mosaic. The World Wide Web's hypertext markup language text (HMTL) **links** 'tagged' or highlighted words to other levels or sections of an HMTL document, thus creating...

...has allowed people or firms to design an enticing 'cover page' that appears when users **access** a web site. "Surfing the web" to find such sites with their **embedded graphics**, sound and video clips has become for some a passion. Businesses have also responded to...

...static nature of Mosaic.

This ability or inability to do meaningful collaboration on the Web **links** neatly to the topic of groupware. A representative of Lotus Development Corporation in the US pointed to Lotus Notes being able to synchronise data and provide levels of security and **access** control. A third part to the argument was how to securely do business on the...

**10/3,K/6 (Item 3 from file: 636)**  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2005 The Gale Group. All rts. reserv.

01835406 Supplier Number: 43123829 (USE FORMAT 7 FOR FULLTEXT)

**IBM HANGS NETVIEW FUTURE ON SYSTEMVIEW STRATEGY**

Report on IBM, v9, n26, pN/A

July 1, 1992

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 1753

... Cupertino, Calif.), Internet Packet Exchange from Novell Inc. (Provo, Utah), and local area network basic **input** /output system (NetBIOS). It also supports Token Ring and Ethernet configurations, as well as wide area network technologies such as frame relay and High Level Data **Link** Control.

The 6611 can be managed on a distributed basis by SNMP managers -- such as...

...more big pieces to the SystemView puzzle -- the NetView GMF host subsystem and the Resource **Object** **Data** Manager (RODM). Both features were announced in September as "planned enhancements"

The OS/2-based...

**10/3,K/7 (Item 4 from file: 636)**

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

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01808003 Supplier Number: 43050261 (USE FORMAT 7 FOR FULLTEXT)

**NEWS BRIEFS**

Network Management Systems & Strategies, v4, n11, pN/A

June 2, 1992

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 1130

... includes a single set of network management tools for both IBM and Tandem systems. NetView **connection** is achieved with Systems Center's Solve: **Connect** software.

NonStop Net/Master products will be available in August 1992. The standard monthly license...

...products are compatible with all NonStop systems running Tandem's Guardian 90 operating system. Solve: **Connect** software will be generally available within six months.

HP PICKS INGRES INTELLIGENT DATABASE. INGRES (ALAMEDA...

...pioneered the first transparent distributed database management system, the first intelligent database, and the first **graphical object** -oriented fourth-generation application development tool.

FIBERMUX SHOWS OFF MANAGEMENT SOLUTIONS. At Interop last month...

**10/3,K/8 (Item 1 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB

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08088814 SUPPLIER NUMBER: 17191283 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Tapping into the Internet. (on-line services for accountants)**

Cohen, Eric E.

Journal of Accountancy, 180, n2, 59(4)

August, 1995

ISSN: 0021-8448

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 3074

LINE COUNT: 00260

... free services as loss leaders and advertisements for their consulting expertise.

Slowly the barriers to **accessing** the Net, uncovering data hidden in its libraries and setting up shop, are coming down...

...of the Internet's most powerful utilities, the World Wide Web (WWW), can now be **accessed** and navigated relatively easily with a mouse. The key point is that the Internet is becoming both user friendly and user vital. And unless accounting professionals **recognize** that the future of their business is information--finding it, creating it, formatting it, using...

10/3,K/9 (Item 2 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

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04921107 SUPPLIER NUMBER: 08893426 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Trade paperbacks: coming into their own. (includes related article on fiction)**

Goodrich, Chris

Publishers Weekly, v237, n39, p19(7)

Sept 28, 1990

CODEN: PWEEA

ISSN: 0000-0019

LANGUAGE: ENGLISH

RECORD TYPE:

FULLTEXT

WORD COUNT: 4587

LINE COUNT: 00346

... than oversaturated. He cites HarperCollins's recent purchase of a 50% interest in travel publisher **Access** Press (and which increases to full ownership in five years) as a sign of faith in the trade paperback market; the publisher plans to increase **Access** 's output dramatically.

The Price Debate

The high prices being paid for reprint rights translate...

...way: "You've usually heard of the book, you want it, and there's no **sense** waiting for a lower price."

Says Steven Lewers, Houghton Mifflin's director of paperback publications...

10/3,K/10 (Item 3 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

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04836781 SUPPLIER NUMBER: 09597785 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Multiple Motorola 68040s power Concurrent Computer's new low-cost, real-time Unix(TM) machines. (68040 microprocessor)**

PR Newswire, p1113SJ002

Nov 13, 1990

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 418

LINE COUNT: 00037

... was a winner of the first annual Malcolm Baldrige National Quality Award in 1988, in **recognition** of its superior company-wide quality

EIC 3600

Dialog Search

management program.

-0- 11/13/90

/ **CONTACT** : Maura FitzGerald of Cunningham Communication,  
617-494-8202, for Motorola; or Dean Mosley of Motorola...

JMB

Date: 02-May-05

Set	Items	Description
S1	592	STEGANOGRAPH?
S2	26660600	LINK? OR CONNECT? OR CONTACT? OR ACCESS? OR ORDER?
S3	8874589	MERCHANT? OR MANUFACTURER? OR RETAILER? OR SELLER? OR VEND- ORS
S4	15124750	BUYER? OR CONSUMER? OR CUSTOMER? OR SHOPPER? OR PURCHASER?
S5	58	S1 AND S2 AND S3 AND S4
S6	34	RD (unique items)
S7	4	S6 NOT PY>1995

? show files

File 15:ABI/Inform(R) 1971-2005/Apr 30  
(c) 2005 ProQuest Info&Learning

File 810:Business Wire 1986-1999/Feb 28  
(c) 1999 Business Wire

File 476:Financial Times Fulltext 1982-2005/May 02  
(c) 2005 Financial Times Ltd

File 813:PR Newswire 1987-1999/Apr 30  
(c) 1999 PR Newswire Association Inc

File 634:San Jose Mercury Jun 1985-2005/Apr 30  
(c) 2005 San Jose Mercury News

File 624:McGraw-Hill Publications 1985-2005/Apr 29  
(c) 2005 McGraw-Hill Co. Inc

File 9:Business & Industry(R) Jul/1994-2005/Apr 28  
(c) 2005 The Gale Group

File 275:Gale Group Computer DB(TM) 1983-2005/May 02  
(c) 2005 The Gale Group

File 621:Gale Group New Prod.Annou.(R) 1985-2005/May 02  
(c) 2005 The Gale Group

File 636:Gale Group Newsletter DB(TM) 1987-2005/May 02  
(c) 2005 The Gale Group

File 16:Gale Group PROMT(R) 1990-2005/Apr 29  
(c) 2005 The Gale Group

File 160:Gale Group PROMT(R) 1972-1989  
(c) 1999 The Gale Group

File 148:Gale Group Trade & Industry DB 1976-2005/May 02  
(c)2005 The Gale Group

File 47:Gale Group Magazine DB(TM) 1959-2005/May 02  
(c) 2005 The Gale group

File 570:Gale Group MARS(R) 1984-2005/May 02  
(c) 2005 The Gale Group

File 635:Business Dateline(R) 1985-2005/Apr 30  
(c) 2005 ProQuest Info&Learning

File 477:Irish Times 1999-2005/May 01  
(c) 2005 Irish Times

File 710:Times/Sun.Times(London) Jun 1988-2005/Apr 30  
(c) 2005 Times Newspapers

File 711:Independent(London) Sep 1988-2005/May 01  
(c) 2005 Newspaper Publ. PLC

File 756:Daily/Sunday Telegraph 2000-2005/May 02  
(c) 2005 Telegraph Group

File 757:Mirror Publications/Independent Newspapers 2000-2005/May 02  
(c) 2005

File 387:The Denver Post 1994-2005/Apr 29  
(c) 2005 Denver Post

File 471:New York Times Fulltext 19802005/May 02  
(c) 2005 The New York Times

File 492:Arizona Repub/Phoenix Gaz 19862002/Jan 06  
(c) 2002 Phoenix Newspapers

File 494:St LouisPost-Dispatch 1988-2005/Apr 28  
(c) 2005 St Louis Post-Dispatch

File 498: Detroit Free Press 1987-2005/Mar 31  
(c) 2005 Detroit Free Press Inc.  
File 631: Boston Globe 1980-2005/May 01  
(c) 2005 Boston Globe  
File 633: Phil. Inquirer 1983-2005/Apr 26  
(c) 2005 Philadelphia Newspapers Inc  
File 638: Newsday/New York Newsday 1987-2005/Apr 29  
(c) 2005 Newsday Inc.  
File 640: San Francisco Chronicle 1988-2005/May 01  
(c) 2005 Chronicle Publ. Co.  
File 641: Rocky Mountain News Jun 1989-2005/Apr 30  
(c) 2005 Scripps Howard News  
File 702: Miami Herald 1983-2005/Apr 29  
(c) 2005 The Miami Herald Publishing Co.  
File 703: USA Today 1989-2005/Apr 29  
(c) 2005 USA Today  
File 704: (Portland) The Oregonian 1989-2005/Apr 30  
(c) 2005 The Oregonian  
File 713: Atlanta J/Const. 1989-2005/Apr 28  
(c) 2005 Atlanta Newspapers  
File 714: (Baltimore) The Sun 1990-2005/Apr 29  
(c) 2005 Baltimore Sun  
File 715: Christian Sci. Mon. 1989-2005/May 02  
(c) 2005 Christian Science Monitor  
File 725: (Cleveland) Plain Dealer Aug 1991-2005/Apr 30  
(c) 2005 The Plain Dealer  
File 735: St. Petersburg Times 1989- 2005/Apr 27  
(c) 2005 St. Petersburg Times



7/3,K/1 (Item 1 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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00975571 96-24964

**The resource directory**

Bowers, Richard A  
CD-ROM Professional v8n2 PP: 110-117 Feb 1995  
ISSN: 1049-0833 JRNL CODE: LDP  
WORD COUNT: 3187

...ABSTRACT: privacy, the lawmakers have been uncommonly unproductive.  
There has been a dearth of legal resources **accessible** to laymen or  
professionals to help guide them through new ventures of the new media...  
...TEXT: Whatever the reasons, the fact is that there has been a dearth of  
legal resources **accessible** to laymen or professionals to help guide them  
through new ventures of the new media...Press

55 Hayward Street

Cambridge, MA 02142

800/356-0343; 617/825-8569

Internet-mitpress- **order** (a)mit.edu

ISBN: 0-262-19330-2, 1993, 280 pages, \$22.50

One of...

...Journals

55 Hayward Street

Cambridge, MA 02142  
800/356-0343; 617/825-8569

Internet-mitpress- **order** (a)mit.edu

ISBN: 0-262-69170-1, Serial (published irregularly between editions of The  
...

...Press

55 Hayward Street

Cambridge, MA 02142

800/356-0343; 617/825-8569

Internet--mitpress- **order** (a)mit.edu

ISBN: 0-262-53123-2, 1994, Softcover, 220 pages, \$19.95

Provides...

...provoking articles, including: "The Strategic Environment for Protecting  
Multimedia"; "Permission Headers and Contract Law"; "Video- **Steganography** :

How to Secretly Embed a Signature in Picture"; and "A Publishing and Royalty Model for...range of licensable properties including trademarks, name brands, characters and symbols for all kinds of **consumer** goods, publishing and other fields.

Licensing Letter Sourcebook, 1994 Edition

Karen Raugust, Editor

EPM Communications...

...publishing, television, film, theater and music.

New York Publishers' Forum

National Music Publishers Association (NMPA)

**Contact** : Margaret O'Keeffe

Forum Coordinator  
711 Third Avenue

New York, NY 10017

212/370-5330...Director of Optical Publishing Association and SYSOP of CompuServe's CD-ROM and CD-ROM **Vendors** Forum. He may be reached at P.O. Box 21726, Columbus, OH 43221, 614/442...

7/3,K/2 (Item 1 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)  
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01886495 SUPPLIER NUMBER: 17876164 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**News digest. (News Briefs)**

Ungar, Harley

Interactive Content, v2, n18, p7(1)

Oct, 1995

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 2032 LINE COUNT: 00167

TEXT:

...ventures, Tele-TV-the other telco alliance battling the cable companies-placed a \$1 billion **order** with Thomson **Consumer** Electronics for three million set-top boxes that would deliver wireless television services to **consumers**. Towers would transmit a microwave signal to homes within a 50-mile radius. Such a...

...to develop an open standard for secure commerce on the Web. AT&T Weaves Web **Access** : The Interchange Online Network announced its ability to **link** to the World Wide Web. In addition, members with direct Internet **connections** may **access** Interchange services via the Internet. Interchange has incorporated Netscape software into its client/server software...

...and multimedia information services. at&t will provide content on the Business Network and will **link** to the cnn Interactive site on the World Wide Web. The alliance includes plans for content creation and cross-promotion. Intuit Offers **Connectivity** : Intuit announced it would be bundling Netscape's Navigator with its 1996 version of Quicken and will

offer Internet **access** through isp Concentric Network Corp. Initial pricing is expected to be seven hours for \$9...

...hour priced at \$1.95. The move is part of Quicken's efforts to increase **connectivity** between **consumers**, financial partners, and itself that won't depend on online services. Need a Job? In...the holiday shopping season, mci will implement a phone-based CD shopping service this winter. **Consumers** will be able to call a toll-free phone number, listen to sample tracks, and...

...to record the distribution path. The Digimarc team calls the stamp a modern form of "**steganography**," or hidden writing. And while it can't prevent pirating and manipulation of content, it...

...checking the digital watermark, anyone who wants to use a work can determine whom to **contact** for permission to use it and can compensate the owner accordingly. Digimarc has just obtained...

...aspires to be just what its name implies: a digital information brokerage firm that authorizes **buyers** and authenticates **sellers** of digital information. dice will generate commissions on each transaction and intends to set up...

7/3,K/3 (Item 1 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

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02869410 Supplier Number: 45825599 (USE FORMAT 7 FOR FULLTEXT)

**Copyrighting in the Information Age**

Interactive Content, n18, pN/A

Oct 1, 1995

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 699

...to record the distribution path. The Digimarc team calls the stamp a modern form of "**steganography**," or hidden writing. And while it can't prevent pirating and manipulation of content, it...

...checking the digital watermark, anyone who wants to use a work can determine whom to **contact** for permission to use it and can compensate the owner accordingly. Digimarc has just obtained...

...aspires to be just what its name implies: a digital information brokerage firm that authorizes **buyers** and authenticates **sellers** of digital information. dice will generate commissions on each transaction and intends to set up...

7/3,K/4 (Item 2 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

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02850772 Supplier Number: 45778276 (USE FORMAT 7 FOR FULLTEXT)

**COPYRIGHT CHANGES RECOMMENDED FOR NET**

Internet Week, v1, n23, pN/A

Sept 11, 1995

Language: English    Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 1894

... even stopped.

"Unless we provide legal protection for intellectual property on the National Information Infrastructure, **customers** won't be able to reap the benefits of these new technologies," said Commerce Secretary...

...focusing on penalties, the report encourages finding technological solutions -- such as cryptography, digital signatures, and **steganographic** methods of tagging electronic documents -- to address copyright problems. By using these technologies, copyright holders...

...or alteration of copyright-management information. In other words, electronic forgery of digital signatures or **steganographic** tags would be illegal.

Service Providers May Be Liable

Under the working group's recommendations...

...liability standards on Internet service providers and others. It supports this recommendation by comparing the **access** business to that of photofinishers, book **sellers**, record stores, newsstands, and computer software **retailers** -- groups that traditionally protect copyright.

The report argues that Internet service providers are "still in...

...they don't do it, the copyright law permits you to go get a court **order** that makes them do it. That's all we're talking about here, and if... report are available online at <http://www.uspto.gov>. For print copies of the report, **contact** the Patent and Trademark Office's Office of Public Affairs at (703) 305-8341.

Nielsen...

...to the Internet," said Jack Loftus, vice president of communications for Nielsen Media Research. "Our **customers** are looking for intelligent, actionable information and a standard of measurement for tracking web site ...

...well -- beginning with a way to track demographics on the Internet in general and at **customers**' web sites in particular. "Providing demographic information is clearly the next big step, and that...

...puts it ahead of many of its competitors. The firm currently has 40 I/COUNT **customers** and between 15 and 20 I/AUDIT **customers**, most of whom are Fortune 1,000 firms, reports Lin. It was this existing client...

...what solution becomes the most accepted.

For more information on the Nielsen/I/PRO deal, **contact** Manish Bhatia, Nielsen Media Research, (212) 708-7611; or Tina Lin, I/PRO, (415) 975...

Set	Items	Description
S1	28041	STEGANOGRAPH? OR WATERMARK? OR WATER()MARK? OR (BINARY OR - ENDCOD? OR EMBED? OR IMBED? OR CONCEAL? OR HIDDEN OR OBJECT) (- N) (DATA OR IMAGE? ? OR DESIGN? ? OR DISPLAY? ? OR DRAWING? ? - OR GRAPH? OR MESSAGE? ? OR TEXT OR INDICIUM OR INDICIA)
S2	1297395	SCAN? ? OR SCANN? OR SENS??? OR DECOD? OR RECOGNI? OR INPU- T? OR WAND??? OR SWIP??? OR READ??? OR OPTICAL(1W)DEVICE?
S3	1656433	LINK? OR CONNECT? OR CONTACT? OR ACCESS? OR ORDER?
S4	4942	S1(S)S2(S)S3
S5	249	S4 AND IC=G06F-017/60
S6	0	S5 NOT PY>1995
S7	27675	(E OR ELECTRONIC OR ON()LINE OR ONLINE OR INTERNET OR NET - OR WEB OR WWW OR REMOTE OR VIRTUAL? OR DIGITAL? OR CYBER OR (- AT OR IN) ()HOME) (1W) (COMMERCE OR SHOP? OR SELLING OR RETAIL? - OR SALE? ? OR ORDER? OR PURCHAS? OR TRANSACT? OR EXCHANGE? OR MARKET? OR TR
S8	134	S4(S)S7
S9	10	S8 NOT PY>1995

? show files

File 348:EUROPEAN PATENTS 1978-2005/Apr W04  
(c) 2005 European Patent Office

File 349:PCT FULLTEXT 1979-2005/UB=20050428,UT=20050421  
(c) 2005 WIPO/Univentio

9/3,K/1 (Item 1 from file: 348)  
 DIALOG(R)File 348:EUROPEAN PATENTS  
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00442597

**Telecommunication system.**

**Telekommunikationssystem.**

**Systeme de telecommunication.**

PATENT ASSIGNEE:

ECI TELECOM LTD., (749591), 30 Hasivim Street, 49 130 Petach Tikva, (IL),  
 (applicant designated states:

AT;BE;CH;DE;DK;ES;FR;GB;GR;IT;LI;LU;NL;SE)

INVENTOR:

Piasecki, Joshua, 6 Armonim Street, Ramat Gan, (IL)

Sourani, Sason, 14 Hageula Street, Hod Hasharon, (IL)

LEGAL REPRESENTATIVE:

Freed, Arthur Woolf et al (30752), Reginald W. Barker & Co., Chancery  
 House, 53-64, Chancery Lane, London, WC2A 1QU, (GB)

PATENT (CC, No, Kind, Date): EP 529104 A2 930303 (Basic)  
 EP 529104 A3 930609  
 EP 529104 B1 950719

APPLICATION (CC, No, Date): EP 90850077 900223;

PRIORITY (CC, No, Date): IL 89461 890302

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: H04N-001/00; H04N-001/41; H04N-001/32;

ABSTRACT WORD COUNT: 102

LANGUAGE (Publication,Procedural,Application): English; English; English  
 FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPAB95	1095
CLAIMS B	(German)	EPAB95	976
CLAIMS B	(French)	EPAB95	1280
SPEC B	(English)	EPAB95	6187
Total word count - document A			0
Total word count - document B			9538
Total word count - documents A + B			9538

...SPECIFICATION to digital (A/D) converter 16 receives the analog  
 waveform and samples the signal in **order** to transform it to a standard  
 64 kbit/s pulse code modulated (PCM) digital signal...

...time slot of a 2.048 or a 1.544 Mbit/s signal, via a **digital exchange**  
 18, such as the 4ESS from AT&T, which may subsequently transmits it  
 to...

...is described hereinbelow. It should be noted that the digital signal  
 produced by the facsimile **scanner** 12 is a **binary data** signal and  
 the digital signal produced by the A/D converter 16 is in the...

...to 9.6 kbit/s vs. 64 kbit/s) and thus, the transmission of the **binary**  
**data** via current methods of telephony is wasteful.  
 According to the

9/3,K/2 (Item 2 from file: 348)  
 DIALOG(R)File 348:EUROPEAN PATENTS  
 (c) 2005 European Patent Office. All rts. reserv.

00385427

Method and apparatus for merging a digitized image with an alphanumeric character string.

Verfahren und Anordnung zum Mischen eines digitalisierten Bildes und einer alphanumerischen Zeichenfolge.

Procede et dispositif pour combiner une image numerisee avec une suite de caracteres alphanumeriques.

## PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road, Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)

## INVENTOR:

Parks, Carol A., 4994 Tall Oaks Drive, Monrovia Maryland 21770, (US)  
Probst, Robert E., 11326 French Horn Lane, Reston Virginia 22091, (US)  
Rajagopal, Doraiswamy, 4804 Sweetbirch Drive, Rockville Maryland 20853, (US)  
Youngs, Gary L., 11408 Flints Grove Lane, Gaithersburg Maryland 20878, (US)

## LEGAL REPRESENTATIVE:

Jost, Ottokarl, Dipl.-Ing. (6092), IBM Deutschland GmbH Patentwesen und Urheberrecht Schonaicher Strasse 220, D-7030 Boblingen, (DE)

PATENT (CC, No, Kind, Date): EP 388579 A2 900926 (Basic)  
EP 388579 A3 911030

APPLICATION (CC, No, Date): EP 90100182 900105;

PRIORITY (CC, No, Date): US 326338 890321

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-015/20; G06F-015/72;

ABSTRACT WORD COUNT: 153

LANGUAGE (Publication,Procedural,Application): English; English; English

## FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	796
SPEC A	(English)	EPABF1	5658
Total word count - document A			6454
Total word count - document B			0
Total word count - documents A + B			6454

...SPECIFICATION variable records. Each Coded Data record contains the required store command followed by the Coded **Data object**. The program does not assume a specific **order**. The design does not assume an **input/output media** (i.e., a tape or a disk). However, it is recommended that tapes be used for this component. Coded data are not received from FAF in **online transactions**. The CDS transaction will supply the extra partition **input** processing parameters queue name. The format of the CDS processing parameters are described in the section entitled "Extra Component Data Areas." The Coded Data **input** file contains two types of records: a user control record and a CDS record containing a store command and the Coded **Data object**. The format of each record is described in the section entitled "Extra Component Data Areas..."

9/3,K/3 (Item 3 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2005 European Patent Office. All rts. reserv.

00306062

Digital data processing system.

Digitales Datenverarbeitungssystem.

**Systeme du traitement de donnees numeriques.****PATENT ASSIGNEE:**

DATA GENERAL CORPORATION, (410940), Route 9, Westboro Massachusetts 01581  
, (US), (applicant designated states: AT;BE;CH;DE;FR;GB;IT;LI;LU;NL;SE)

**INVENTOR:**

Bratt, Richard Glenn, 9 Brook Trail Road, Wayland Massachusetts 01778,  
(US)  
Clancy, Gerald F., 13069 Jaccaranda Center, Saratoga California 95070,  
(US)  
Gavrin, Edward S., Beaver Pond Road RFD 4, Lincoln Massachusetts 01773,  
(US)  
Gruner, Ronald Hans, 112 Dublin Wood Drive, Cary North Carolina 27514,  
(US)  
Mundie, Craig James, 136 Castlewood Drive, Cary North Carolina, (US)  
Schleimer, Stephen I., 1208 Ellen Place, Chapel Hill North Carolina 27514  
, (US)  
Wallach, Steven J., 12436 Green Meadow Lane, Saratoga California 95070,  
(US)

**LEGAL REPRESENTATIVE:**

Robson, Aidan John et al (69471), Reddie & Grose 16 Theobalds Road,  
London WC1X 8PL, (GB)

PATENT (CC, No, Kind, Date): EP 300516 A2 890125 (Basic)  
EP 300516 A3 890426  
EP 300516 B1 931124

APPLICATION (CC, No, Date): EP 88200921 820521;

PRIORITY (CC, No, Date): US 266413 810522; US 266539 810522; US 266521  
810522; US 266415 810522; US 266409 810522; US 266424 810522; US 266421  
810522; US 266404 810522; US 266414 810522; US 266532 810522; US 266403  
810522; US 266408 810522; US 266401 810522; US 266524 810522

DESIGNATED STATES: AT; BE; CH; DE; FR; GB; IT; LI; LU; NL; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 67556 (EP 823025960)

INTERNATIONAL PATENT CLASS: G06F-009/46; G06F-012/14;

ABSTRACT WORD COUNT: 122

LANGUAGE (Publication,Procedural,Application): English; English; English

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	1018
CLAIMS B	(German)	EPBBF1	868
CLAIMS B	(French)	EPBBF1	1115
SPEC B	(English)	EPBBF1	154256
Total word count - document A			0
Total word count - document B			157257
Total word count - documents A + B			157257

...SPECIFICATION with the currently executing Virtual Process, and thus are effectively acceleration mechanisms for the current **Virtual** Process, while others are completely internal to CS 10110 micromachine.

A primary feature of CS...

...VP State Block 10218 will be described next below.

C. Virtual Processor State Blocks and **Virtual** Process Creation (Fig. 102)

Referring again to Fig. 102; VP State Blocks 10218 is used...may be guaranteed to be unique to a particular system. A particular system may, however, **be** assigned more than one LAUGN so that there may be a time varying mapping between...23914 indicates that the string transfer is completed. LDET 23912 and NXTZRO 23914 may, respectively, **be** comprised



for example of S74S260s, SN74S133s, SN74S51s, SN74S00s, SN74S00s, SN74S04s, SN74S02s, and SN74S32s.

Referring finally...

...AONSEL 20248 and to a fourth input of AONSEL 20238. This data path allows AON **fields**, either from AONGRF 20232 or from AON Bus 20230, to be written into AONGRF 20232...

...OFFP 20218 contains a vertical section of GRF 10354, OFFGRF 20234, for storing offset fields of AON pointers and logical descriptors, and for containing data to be operated upon by DESP 20210. OFFP 20218 is principal path for transfer of **data** from MEM 10112 to JP 10114 and is a general purpose 32 bit arithmetic and...

9/3,K/4 (Item 4 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00306058

**Digital data processing system.**

**Digitales Datenverarbeitungssystem.**

**Systeme de traitement de donnees numeriques.**

PATENT ASSIGNEE:

DATA GENERAL CORPORATION, (410940), Route 9, Westboro Massachusetts 01581, (US), (applicant designated states: AT;BE;CH;DE;FR;GB;IT;LI;LU;NL;SE)

INVENTOR:

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LEGAL REPRESENTATIVE:

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PATENT (CC, No, Kind, Date): EP 290111 A2 881109 (Basic)

EP 290111 A3 890503

EP 290111 B1 931222

APPLICATION (CC, No, Date): EP 88200917 820521;

PRIORITY (CC, No, Date): US 266404 810522  
 DESIGNATED STATES: AT; BE; CH; DE; FR; GB; IT; LI; LU; NL; SE  
 RELATED PARENT NUMBER(S) - PN (AN):  
 EP 67556 (EP 823025960)  
 INTERNATIONAL PATENT CLASS: G06F-009/30;  
 ABSTRACT WORD COUNT: 123

LANGUAGE (Publication,Procedural,Application): English; English; English  
 FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	1044
CLAIMS B	(German)	EPBBF1	890
CLAIMS B	(French)	EPBBF1	1185
SPEC B	(English)	EPBBF1	154314
Total word count - document A			0
Total word count - document B			157433
Total word count - documents A + B			157433

...SPECIFICATION resumed from the particular point that a microinstruction sequence was interrupted, rather from the beginning of that sequence. As will be described further below, CS 101's Micro-code Stack Mechanisms ...These machines will be described in detail below.

In the following, each of the levels **illustrated** in Fig. 7 will be discussed in turn. First, the components at User Interface 709...706, 710 to manage Virtual Processors 612. KOS 706, 710 provides a fixed number of **Virtual** Processors 612 for CS 101. Each Virtual Processor 612 is represented by a Virtual Processor...106, each 80 bit UID is comprised of 32 bits of Logical Allocation Unit Identifier ( **LAUID** ) and 48 bits of Object Serial Number (OSN). LAUIDs are associated with individual CS 10110...value of 24. If a particular item has a length of greater than 32 bits **for** example, 70 bits as described in a previous example, that data item must be read...B will be filled and the string transfer ended if length of A is greater **than** or equal to length of B.

LDET 23912 and NXTZRO 23914 thereby allow FUCTL 20214...

...may be comprised, for example of SN74S257s. AONGRF 20232 may be comprised of, for example, **Fairchild** 93422s.

As previously described, AONGRF 20232's output is connected onto AON Bus 20230 to...

...of all zeros to be written into AONGRF 20232. An AON field of all zeros **is** reserved to indicate that corresponding entries in OFFGRF 20234 and LENGRF 20236 are neither AON...

9/3,K/5 (Item 5 from file: 348)  
 DIALOG(R)File 348:EUROPEAN PATENTS  
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00306057

**Digital data processing system.**

**Digitales Datenverarbeitungssystem.**

**Systeme de traitement de donnees numeriques.**

PATENT ASSIGNEE:

DATA GENERAL CORPORATION, (410940), Route 9, Westboro Massachusetts 01581  
 , (US), (applicant designated states: AT;BE;CH;DE;FR;GB;IT;LI;LU;NL;SE)

INVENTOR:

Bachman, Brett L., 214 W. Canton Street Suite 4, Boston Massachusetts

02116, (US)  
 Bernstein, David H., 41 Bay Colony Drive, Ashland Massachusetts 01721,  
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 Clancy, Gerald F., 13069 Jaccaranda Center, Saratoga California 95070,  
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 Pilat, John F., 1308 Ravenhurst Drive, Raleigh North Carolina 27609, (US)  
 Schleimer, Stephen I., 1208 Ellen Place, Chapel Hill North Carolina 27514  
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 Wallach, Steven J., 12436 Green Meadow Lane, Saratoga California 95070,  
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 Wells, Douglas, M., 106 Robin Road, Chapel Hill North Carolina 27514,  
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## LEGAL REPRESENTATIVE:

Pears, David Ashley et al (34761), REDDIE & GROSE 16 Theobalds Road,  
 London WC1X 8PL, (GB)

PATENT (CC, No, Kind, Date): EP 290110 A2 881109 (Basic)  
 EP 290110 A3 890412

APPLICATION (CC, No, Date): EP 88200916 820521;

PRIORITY (CC, No, Date): US 266401 810522

DESIGNATED STATES: AT; BE; CH; DE; FR; GB; IT; LI; LU; NL; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 67556

INTERNATIONAL PATENT CLASS: G06F-012/06; G06F-009/30;

ABSTRACT WORD COUNT: 119

LANGUAGE (Publication,Procedural,Application): English; English; English

## FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	1390
SPEC A	(English)	EPABF1	155314
Total word count - document A			156704
Total word count - document B			0
Total word count - documents A + B			156704

...SPECIFICATION Procedure Objects containing, for example, procedures available in common to many users. Second, a Static **Data** Area may contain static data, that is data having an existence for at least a...in common to many users. In effect, a Procedure 602 contains the instructions (procedures) and **data** of a user's program.

A Process 610 includes, as described above, a Macro-Stack...procedures. Certain of these CS 10110 micromachine information structures are shared with the currently executing **Virtual** Process, and thus are effectively acceleration mechanisms for the current Virtual Process, while others are ...items of more than 32 bits require a string transfer. In addition, transfer of a **data** item through a string transfer requires tracking of the transferred length, and remaining length to be transferred, of both the **data** item itself and the data storage space of the location the data item is being...

9/3,K/6 (Item 6 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00239423

**Meter data gathering and transmission system.****Verfahren zur Gewinnung und Übertragung von Zahlerdaten.****Systeme pour acquerir et pour transmettre des donnees de compteurs.**

PATENT ASSIGNEE:

M & FC HOLDING COMPANY, INC., (1206850), 1100 North Market Street,  
Wilmington, Delaware 19801, (US), (applicant designated states:  
BE;CH;DE;FR;GB;IT;LI;NL;SE)

INVENTOR:

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LEGAL REPRESENTATIVE:

MEISSNER, BOLTE & PARTNER (100193), Widenmayerstrasse 48 Postfach 860624,  
W-8000 Munchen 86, (DE)

PATENT (CC, No, Kind, Date): EP 240761 A1 871014 (Basic)  
EP 240761 B1 930804

APPLICATION (CC, No, Date): EP 87103485 840620;

PRIORITY (CC, No, Date): US 510753 830701

DESIGNATED STATES: BE; CH; DE; FR; GB; IT; LI; NL; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 130475 (EP 841070584)

INTERNATIONAL PATENT CLASS: G06M-001/27; G01F-015/06;

ABSTRACT WORD COUNT: 164

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	2242
CLAIMS B	(German)	EPBBF1	669
CLAIMS B	(French)	EPBBF1	838
SPEC B	(English)	EPBBF1	5814
Total word count - document A			0
Total word count - document B			9563
Total word count - documents A + B			9563

...SPECIFICATION HZ, which range is selected to permit detection of the negative going edge at the **input** INT 1 of the microprocessor 20. In particular, **the** noise filter 16 has a relatively long **time** constant, whereby the high frequency of the carrier signal is filtered out to provide an...

...signal essentially following that of the envelope of the interrogation signal, as shown in Figure 3B .

By contrast, the frequency of the carrier signal within the envelope of the interrogation signal, as shown in Figure 3B, **is** selected to permit charging of the capacitor C1 of the power/clock reference circuit 14. The circuit elements D2 and **capacitor** C1 permit a half-wave **rectification** and their impedances are **determined** such that the resulting time constant is relatively low to permit the efficient **charging** of capacitor C1, whereby a DC voltage is established across the capacitor C1.

The microprocessor 20 uses **the** negative going edge of the output of the noise filter 16 to clock information and...

9/3,K/7 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT  
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00284070

**SYSTEM AND METHOD FOR DISTRIBUTED COMPUTATION BASED UPON MOVEMENT,  
EXECUTION AND INTERACTION OF PROCESSES IN A NETWORK  
SYSTEME ET PROCEDE DE CALCUL REPARTI A BASE DE LA CIRCULATION, DE  
L'EXECUTION ET DE L'INTERACTION DE PROCESSUS DANS UN RESEAU**

Patent Applicant/Assignee:

GENERAL MAGIC INC,

Inventor(s):

WHITE James E,

HELGESON Christopher S,

STEEDMAN Douglas A,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9502219 A1 19950119

Application: WO 94US7397 19940708 (PCT/WO US9407397)

Priority Application: US 93521 19930708

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AT AU BB BG BR BY CA CH CN CZ DE DK ES FI GB GE HU JP KG KP KR KZ LK LU

LV MD MG MN MW NL NO NZ PL PT RO RU SD SE SI SK TJ TT UA UZ VN BF BJ CF

CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 134654

Fulltext Availability:

Detailed Description

Detailed Description

... 132Z.

In either embodiment described above, when engine  
132Z (Figure 15C) receives encoded agent 150A- **E** , engine  
132Z performs a system operation determined in route agent  
step 1414 "transferIn" which is...find  
petitioned agent step 3206 in which the engine carrying  
out performance of operation "meet", **e** .g., engine 132B  
(Figure 15E), finds a petitioned agent, i.e., an agent  
which satisfies...operation  
25 "select". Operation "select" is defined by class "Object"  
and is performed by an **object** identifying the particular  
executed object to be performed. Figures 62A and 62B show  
the interface...

9/3,K/8 (Item 2 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT  
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00275354 \*\*Image available\*\*

**DATA PROCESSING SYSTEM FOR COMMUNICATIONS NETWORK  
SYSTEME DE TRAITEMENT DE DONNEES POUR RESEAU DE TRANSMISSION**

Patent Applicant/Assignee:

BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY,

BROWNE John Martin,

Inventor(s):

BROWNE John Martin,

## Patent and Priority Information (Country, Number, Date):

Patent: WO 9423530 A1 19941013  
Application: WO 94GB706 19940331 (PCT/WO GB9400706)  
Priority Application: GB 936724 19930331; GB 936725 19930331; GB 9317619  
19930824

## Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AU BG BR BY CA CN CZ FI HU JP KR KZ LV NO NZ PL RO RU SI SK UA US UZ VN  
AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 18371

Fulltext Availability:

Detailed Description

## Detailed Description

... Exchange file log, STATUS = A, created  
c) DIRINDEX file accessed  
d) FTAM exchange file copied  
e) FTAM **exchange** file deleted  
f) Exchange files, where STATUS = P, **read**  
g) STATUS set to D if exchange files deleted successfully  
(at (e) above)  
h) Exchange file log **read** where-STATUS = A  
i) Exchange file log data updated. STATUS set to P  
j) File...

...File copied to Data Analyser directory if file is in error

m) File error log **read**  
n) Call record error log **read**  
o) Raw ( **binary** ) **data** file looked up  
P) Data appended to route pattern suspend file for this route pattern...

9/3,K/9 (Item 3 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00275353

**DATA CORRECTION SYSTEM FOR COMMUNICATIONS NETWORK**  
**SYSTEME DE CORRECTION DE DONNEES POUR RESEAU DE TRANSMISSION**

Patent Applicant/Assignee:

BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY,  
BROWNE John Martin,

Inventor(s):

BROWNE John Martin,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9423529 A1 19941013  
Application: WO 94GB705 19940331 (PCT/WO GB9400705)  
Priority Application: GB 936724 19930331; GB 936725 19930331; GB 9317619  
19930824

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AU BG BR BY CA CN CZ FI HU JP KR KZ LV NO NZ PL RO RU SI SK UA US UZ VN  
AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 17874  
Fulltext Availability:  
Detailed Description

## Detailed Description

... file log, STATUS = A, created  
c) DIRINDEX file accessed  
d) FTAM exchange file co-Died  
e) FTAM **exchange** file deleted  
f) Exchange files, where STATUS = P, **read**  
g) STATUS set to D if exchange files deleted successfully  
(at (e) above)  
h) Exchange file log **read** where STATUS = A  
i) Exchange file log data updated. STATUS set to P  
j) File...

...File copied to Data Analyser directory if file is in  
error  
m) File error log **read**  
n) Call record error log **read**  
o) Raw ( **binary** ) **data** file looked up  
P) Data appended to route pattern suspend file for this  
route attern...

9/3,K/10 (Item 4 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00106554 \*\*Image available\*\*

**DATA PROCESSING SYSTEM****SYSTEME DE TRAITEMENT DE DONNEES**

Patent Applicant/Assignee:

INTEL CORP,

Inventor(s):

COLLEY S,  
RATTNER J,  
COX G,  
SWANSON R,

Patent and Priority Information (Country, Number, Date):

Patent: WO 8102477 A1 19810903  
Application: WO 80US205 19800228 (PCT/WO US8000205)  
Priority Application: WO 80US205 19800228

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

DE GB JP AT CH DE FR GB LU NL SE

Publication Language: English

Fulltext Word Count: 139912

Fulltext Availability:

Detailed Description

## Detailed Description

... suspended voluntarily  
(e.g, f by executing a WAIT TO RECEIVE operator) or involuntarily (i. e .,  
via a processor-level fault), the elapsed part of the process' service  
period is added...context-level fault in the context needing the service.  
This is  
accomplished via the RETURN **MESSAGE** : AND FAULT operator. The fault code

is  
supplied as an operand of the instruction. The...An  
exceptional result is written into the context control segment as part of  
the fault **data** that is normally stored after the occurrence of a  
contextlevel fault. In the case of...SHORT-REAL operator and  
is specified by the same operator code.

ONE INT EGER 1 **data** refereance

An integer value of 1 is moved to the destination address.

SAVE INTEGEK 1...can occur during its execution.

816,1 Short-Real Move Operators

MOVE SHORT-REAL 2 **data** references

The short-real operand at the source addresss is moved to the  
destination address...



Set	Items	Description
S1	20161	STEGANOGRAPH? OR WATERMARK? OR WATER()MARK? OR (BINARY OR - ENDCOD? OR EMBED? OR IMBED? OR CONCEAL? OR HIDDEN OR OBJECT) (- N) (DATA OR IMAGE? ? OR DESIGN? ? OR DISPLAY? ? OR DRAWING? ? - OR GRAPH? OR MESSAGE? ? OR TEXT OR INDICIUM OR INDICIA)
S2	1695359	SCAN? ? OR SCANN? OR SENS??? OR DECOD? OR RECOGNI? OR INPU- T? OR WAND??? OR SWIP??? OR READ??? OR OPTICAL(1W)DEVICE?
S3	2827936	LINK? OR CONNECT? OR CONTACT? OR ACCESS? OR ORDER?
S4	1201	S1 AND S2 AND S3
S5	72394	(E OR ELECTRONIC OR ON()LINE OR ONLINE OR INTERNET OR NET - OR WEB OR WWW OR REMOTE OR VIRTUAL? OR DIGITAL? OR CYBER OR (- AT OR IN) ()HOME) (1W) (COMMERCE OR SHOP? OR SELLING OR RETAIL? - OR SALE? ? OR ORDER? OR PURCHAS? OR TRANSACT? OR EXCHANGE? OR MARKET? OR TR
S6	9	S4 AND S5
S7	2	S6 NOT PY>1995
? show files		
File	2:INSPEC 1969-2005/Apr W4	(c) 2005 Institution of Electrical Engineers
File	35:Dissertation Abs Online 1861-2005/Mar	(c) 2005 ProQuest Info&Learning
File	65:Inside Conferences 1993-2005/Apr W4	(c) 2005 BLDSC all rts. reserv.
File	99:Wilson Appl. Sci & Tech Abs 1983-2005/Mar	(c) 2005 The HW Wilson Co.
File	474:New York Times Abs 1969-2005/Apr 30	(c) 2005 The New York Times
File	475:Wall Street Journal Abs 1973-2005/Apr 29	(c) 2005 The New York Times
File	583:Gale Group Globalbase(TM) 1986-2002/Dec 13	(c) 2002 The Gale Group

6/5/1 (Item 1 from file: 2)  
DIALOG(R)File 2:INSPEC  
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8348045 INSPEC Abstract Number: C2005-05-6160M-006

**Title: Controlling concurrent accesses in multimedia databases for decision support**

Author(s): Woochun Jun; Suk-ki Hong  
Author Affiliation: Dept. of Comput. Educ., Seoul Nat. Univ., South Korea  
Conference Title: Advances in Multimedia Information Processing - PCM 2004. 5th Pacific Rim Conference on Multimedia. Proceedings, Part II (Lecture Notes in Computer Science Vol.3332) p.180-7  
Editor(s): Aizawa,K.; Nakamura,Y.; Satoh,S.  
Publisher: Springer-Verlag, Berlin, Germany  
Publication Date: 2004 Country of Publication: Germany xxxvi+1051 pp.  
ISBN: 3 540 23977 4 Material Identity Number: XX-2004-02620  
Conference Title: Advances in Multimedia Information Processing - PCM 2004. 5th Pacific Rim Conference on Multimedia. Proceedings, Part II  
Conference Date: 30 Nov.-3 Dec. 2004 Conference Location: Tokyo, Japan  
Language: English Document Type: Conference Paper (PA)  
Treatment: Practical (P)

Abstract: The decision support processing is essential in multimedia databases since it reveals valuable information from tremendous **hidden data**. In decision support environments, most transactions have long-term **read** operations **accessing** significant portions of database. In this **sense**, the traditional concurrency control schemes that are tuned to **online transaction** processing (OLTP) are not suitable for decision supporting environments since long transactions may cause serious locking overhead. In this paper, a locking-based concurrency control scheme is presented for decision support environments in multimedia databases. In this work, transactions are classified into two groups, the typical OLTP transaction and query transaction that is composed of **read** operation for decision support. Assuming that query transactions **read** considerable portions of whole database, the proposed scheme incurs less locking overhead than the existing scheme called explicit locking. This paper also proves that the proposed scheme performs better than the existing scheme.

(10 Refs)

Subfile: C

Descriptors: concurrency control; data mining; decision support systems; multimedia databases; object-oriented databases; query processing; transaction processing

Identifiers: multimedia databases; decision support processing; long-term **read** operation; **online transaction** processing; locking-based concurrency control scheme; query transaction

Class Codes: C6160M (Multimedia databases); C6150N (Distributed systems software); C7102 (Decision support systems); C6170K (Knowledge engineering techniques); C6160J (Object-oriented databases)

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6/5/2 (Item 2 from file: 2)  
DIALOG(R)File 2:INSPEC  
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8082140 INSPEC Abstract Number: B2004-10-0100-067, C2004-10-0000-129

**Title: Proceedings of the IEEE SoutheastCon 2004 (IEEE Cat. No.04CH37547C)**

Publisher: IEEE, Piscataway, NJ, USA

Publication Date: 2004 Country of Publication: USA viii+436 pp.

ISBN: 0 7803 8367 2      Material Identity Number: XX-2004-00918

U.S. Copyright Clearance Center Code: 04/\$20.00

Conference Title: Proceedings of the IEEE SoutheastCon 2004

Conference Date: 26-29 March 2004      Conference Location: Greensboro, NC, USA

Language: English      Document Type: Conference Proceedings (CP)

Abstract: The following topics are dealt with: Bayesian framework; traffic management; logic simulation; medical robots; adaptive neural networks; software architecture; temporal relational database; object relational database; virtual reality system; augmented reality system; anomalous code elimination; robust security networks; wireless LAN; swarm based color image segmentation; reverse engineering Java applications; Petri nets; FACTS devices; sequential power flow algorithm; animated agents; on-frequency repeaters; cache memory simulators; class D switching power amplifiers; multi-layered space time block codes; CRC32 based signature generation; URL routing; static voltage collapse phenomena; SVC; TCSC control strategies; cascade audio classifier; image coding; multiple **input** systems; outdoor robots planning; software packages; mobile IP networks; MPLS; CMOS RF balanced mixers; **connection** admission control; path queue states; solid state nanopulse generator; **e - commerce** automation; graphical user interface; cellular automata; OSI; gradient image; **watermarking** ; switch silicon; terrain classification; GPS; microstrip lines; DFT based adaptive equalizer; **steganography** ; wireless e-mail security; air-gap flux density; real-time electromagnetic field analysis system; electrical machines; inverse magnetostriction; and engineering education.

Subfile: B C

Descriptors: adaptive equalisers; belief networks; cache storage; cellular automata; computer graphics; computer networks; cryptography; database management systems; discrete Fourier transforms; electric machines ; electromagnetic fields; **electronic commerce** ; electronic mail; engineering education; flexible AC transmission systems; Global Positioning System; graphical user interfaces; image processing; Java; magnetic flux; magnetostriction; microstrip lines; mixers (circuits); multiprotocol label switching; neural nets; open systems; Petri nets; power amplifiers; radiocommunication; reverse engineering; robots; software architecture; software packages; telecommunication network routing; telecommunication security; telecommunication traffic; **watermarking**

Identifiers: Bayesian framework; traffic management; logic simulation; medical robots; adaptive neural networks; software architecture; temporal relational database; object relational database; virtual reality system; anomalous code elimination; robust security networks; wireless LAN; color image segmentation; reverse engineering Java applications; Petri nets; FACTS devices; sequential power flow algorithm; animated agents; on-frequency repeaters; cache memory simulators; class D switching power amplifiers; multi-layered space time block codes; CRC32 based signature generation; URL routing; static voltage collapse phenomena; SVC; TCSC control strategies; cascade audio classifier; image coding; multiple **input** systems; outdoor robots planning; software packages; mobile IP networks; MPLS; CMOS RF balanced mixers; **connection** admission control; path queue states; solid state nanopulse generator; **e - commerce** automation; graphical user interface; cellular automata; OSI; gradient image; **watermarking** ; switch silicon; terrain classification; GPS; microstrip lines; DFT based adaptive equalizer; **steganography** ; wireless e-mail security; air-gap flux density; real-time electromagnetic field analysis system; electrical machines; inverse magnetostriction; engineering education

Class Codes: B0100 (General electrical engineering topics); B6250 (

Radio links and equipment); B6210 (Telecommunication applications); B6120D (Cryptography); B0290X (Integral transforms in numerical analysis); B8300 (Power apparatus and electric machines); B5100 (Electric and magnetic fields); B0120 (Education and training); B8120E (a.c. transmission); B6135C (Image and video coding); B1310 (Waveguides and striplines); B1250 (Modulators, demodulators, discriminators and mixers); B6150 (Communication system theory); B6130C (Speech and audio coding); B1220 (Amplifiers); C0000 (General and management topics); C5620 (Computer networks and techniques); C6100 (Software techniques and systems); C1160 (Combinatorial mathematics); C1230D (Neural nets); C4220 (Automata theory); C6160 (Database management systems (DBMS)); C1130 (Integral transforms); C5260B (Computer vision and image processing techniques); C3390 (Robotics); C5260D (Video signal processing)  
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6/5/3 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

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7946794 INSPEC Abstract Number: A2004-11-0660-018, B2004-06-4320J-021

**Title: High speed on line measurement of digital wire outer diameter with laser and CCD technology**

Author(s): Zho Hong; Wang Xuan; Wang Rui

Author Affiliation: Sch. of Electr. & Electron., Harbin Univ. of Sci. & Technol., China

Conference Title: Proceedings of the 7th International Conference on Properties and Applications of Dielectric Materials (Cat. No.03CH37417)

Part vol.2 p.812-15 vol.2

Publisher: IEEE, Piscataway, NJ, USA

Publication Date: 2003 Country of Publication: USA 3 vol.(xiv+xii+xiv+1244) pp.

ISBN: 0 7803 7725 7 Material Identity Number: XX-2003-02946

Conference Title: IEEE 7th International Conference on Properties and Applications of Dielectric Materials

Conference Sponsor: IEEE Dielectrics & Electrical Insulation Soc.; IEE Japan

Conference Date: 1-5 June 2003 Conference Location: Nagoya, Japan

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P); Experimental (X)

Abstract: In this paper, development of a novel optical diameter gauge is described. In **order** to eliminate the influence of wire vibration in the high moving speed, The semiconductor laser diode with 1.2  $\mu$ s exposure time aperture were used to be the illuminating light sources, CCD-line **sensors** with 5000 elements and 7  $\mu$ m\*7  $\mu$ m element area were applied to gauge the diameter of the **object**. **Data** acquisition unit was consists of high speed A/D converter, single chip processor, DMA and SRAM to process the signal data **digitally** in **order** to gain the high accuracy. The instrument obtained 0.7  $\mu$ m on line dynamic accuracy finally. (3 Refs)

Subfile: A B

Descriptors: analogue-digital conversion; charge-coupled devices; data acquisition; gauges; high-speed optical techniques; microprocessor chips; optical **sensors**; semiconductor lasers; SRAM chips

Identifiers: digital wire; optical diameter gauge; semiconductor laser diode; CCD line **sensors**; A/D converter; single chip processor; DMA; SRAM; data acquisition; high speed on line measurement; 1.2  $\mu$ s

Class Codes: A0660J (High-speed techniques (microsecond or shorter)); A4280W (Ultrafast optical techniques); A4255P (Lasing action in semiconductors); A0670D (Sensing and detecting devices); A0760 (Optical

instruments and techniques); B4320J (Semiconductor lasers); B2560S (Other field effect devices); B7230 (Sensing devices and transducers); B1265H (A/D and D/A convertors); B7220 (Signal processing and conditioning equipment and techniques); B1265F (Microprocessors and microcomputers); B2570 (Semiconductor integrated circuits); B1265D (Memory circuits)

Numerical Indexing: time 1.2E-06 s

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6/5/4 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

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7812898 INSPEC Abstract Number: A2004-03-0630C-002, B2004-02-7320C-003

**Title: High-speed optical outer-diameter gauge for digital wire manufacture on-line measurement with laser and CCD technology**

Author(s): Hong Zhao; Xuan Wang; Rui Wang

Author Affiliation: Dept. of Electr. & Electron., Harbin Univ. of Sci. & Tech., China

Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA)

vol.5129 p.24-30

Publisher: SPIE-Int. Soc. Opt. Eng,

Publication Date: 2003 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

SICI: 0277-786X(2003)5129L:24:HS00;1-1

Material Identity Number: C574-2003-214

Conference Title: Fundamental Problems of Optoelectronics and Microelectronics

Conference Sponsor: SPIE; Russian Found. Basic Res.; Russia Federal Program 'Integration'

Conference Date: 30 Sept.-4 Oct. 2002 Conference Location: Vladivostok, Russia

Language: English Document Type: Conference Paper (PA); Journal Paper (JP)

Treatment: Applications (A)

Abstract: In this paper, development of a novel optical diameter gauge is described. In **order** to eliminate the influence of wire vibration in the high moving speed, the semiconductor laser diode with 1.2  $\mu$ s exposure time aperture were used to be the illuminating light sources, a CCD-line **sensors** with 5000 elements and 7  $\mu$ m\*7  $\mu$ m element area were applied to gauge the diameter of the **object**. **Data** acquisition unit consists of high speed A/D converter, single chip processor, DMA and SRAM to process the signal data **digitally** in **order** to gain the high accuracy. The instrument obtained 0.7  $\mu$ m on line dynamic accuracy finally. (3 Refs)

Subfile: A B

Descriptors: analogue-digital conversion; CCD image **sensors**; high-speed optical techniques; optical **sensors**; semiconductor lasers; spatial variables measurement; SRAM chips; vibration isolation

Identifiers: high-speed optical outer-diameter gauge; digital wire manufacture on-line measurement; CCD technology; laser technology; optical diameter gauge; wire vibration; high moving speed; semiconductor laser diode; high speed A/D converter; single chip processor; DMA; SRAM; 1.2  $\mu$ s; 7 micron

Class Codes: A0630C (Spatial variables measurement); A0762 (Detection of radiation (bolometers, photoelectric cells, i.r. and submillimetre waves detection)); A4280Q (Image detectors, convertors, and intensifiers); A0670D (Sensing and detecting devices); A4255P (Lasing action in semiconductors); A4260B (Design of specific laser systems); A4280W (Ultrafast optical

techniques); A4260F (Laser beam modulation, pulsing and switching; mode locking and tuning); A0660J (High-speed techniques (microsecond or shorter)); B7320C (Spatial variables measurement); B7230G (Image sensors); B4320J (Semiconductor lasers); B4330B (Laser beam modulation, pulsing and switching; mode locking and tuning)

Numerical Indexing: time 1.2E-06 s; size 7.0E-06 m

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6/5/5 (Item 5 from file: 2)

DIALOG(R)File 2:INSPEC

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7678272 INSPEC Abstract Number: C2003-08-6130S-037

**Title: The illegal copy protection using hidden agent**

Author(s): Deok-Gyu Lee; Im-Yeong Lee; Jong-Keun Ahn; Yong-Hae Kong

Author Affiliation: Div. of Inf. Technol. Eng., SoonChunHyang Univ., Choongchungnam-Do, South Korea

Conference Title: EurAsia-ICT 2002: Information and Communication Technology. First EurAsian Conference. Proceedings (Lecture Notes in Computer Science Vol.2510) p.832-41

Editor(s): Shafazand, H.; Tjoa, A.M.

Publisher: Springer-Verlag, Berlin, Germany

Publication Date: 2002 Country of Publication: Germany xxiii+1020 pp.

ISBN: 3 540 00028 3 Material Identity Number: XX-2002-03275

Conference Title: EurAsia-ICT 2002: Information and Communication Technology. First EurAsian Conference. Proceedings

Conference Date: 29-31 Oct. 2002 Conference Location: Shiraz, Iran

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: There has been much research on digital **watermarking** technology or fingerprinting vigorously to safeguard protective rights for knowledge and poverty for digital contents. DRM (Digital Rights Management) is not only protective rights for knowledge and poverty, but also management and systems that are necessary to put out, circulate and use for contents. This technology, DRM, encrypts contents to protect digital contents and they are sold users on. Sellers transmit contents with 'usage right' and a license including a key of encryption. The key of encryption **decodes** encoded files. The right of usage restricts users' application of contents. Even if digital contents that are applied the DRM are copied illegally and circulated, contents will be protected from that because a player of DRM checks the existence of licenses and allows contents to be restored. However, this method might cause users to feel inconvenient since the users can only restore contents through the licenses offered by a player or a Smartcard. If radio as well as cable is used popularly in the future, there will be a lot of limits to use those kinds of players. The method need different players in **order** to work successfully in wired and wireless environments. In the case of using Smartcards, there might be a dangerous situation when the Smartcards disappear. We propose two kinds of ideas. One is protecting contents from illegal acts such as illegal copies when the contents are in the process of circulation. The other is the protocol that can give users convenience. Hidden agents are used so that contents are protected from illegal copies and illegal use in the contents and cuts off those illegal acts. The agent will be installed without any special setup. In addition, it can replace roles of **watermarking** as a protection. We show the solution of illegal copies that happen frequently.

(9 Refs)

Subfile: C

Descriptors: computer crime; cryptography; mobile agents; smart cards;

**watermarking**

Identifiers: illegal copy protection; hidden agents; digital **watermarking** technology; fingerprinting; digital contents; DRM; Digital Rights Management; usage rights; encryption key; license checking; Smartcard; wireless environment; content protection; illegal content use; **electronic commerce** ; copyright; ownership

Class Codes: C6130S (Data security); C1260C (Cryptography theory); C6150N (Distributed systems software); C6170 (Expert systems and other AI software and techniques)

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6/5/6 (Item 6 from file: 2)

DIALOG(R)File 2:INSPEC

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7535922 INSPEC Abstract Number: B2003-03-6130C-018, C2003-03-6130S-134

**Title: A solution to the Napster phenomenon: why value cannot be created absent the transfer of subjective data**

Author(s): Moskowitz, S.

Author Affiliation: Blue Spike Inc., Miami, FL, USA

Conference Title: Financial Cryptography. 5th International Conference, FC 2001. Proceedings (Lecture Notes in Computer Science Vol.2339) p. 59-63

Editor(s): Syverson, P.F.

Publisher: Springer-Verlag, Berlin, Germany

Publication Date: 2002 Country of Publication: Germany ix+377 pp.

ISBN: 3 540 44079 8 Material Identity Number: XX-2002-03631

Conference Title: Financial Cryptography. 5th International Conference, FC 2001. Proceedings

Conference Sponsor: Bibit Internet Payments; CertCo; Certicom; Hush Commun.; IBM; InterTrust STAR Lab.; et al

Conference Date: 19-22 Feb. 2001 Conference Location: Cayman Islands

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

**Abstract:** The efficacy of various copyright management systems depends largely on keeping the "security" out of view from consumers while enabling clear responsibility to be attributed to the content being traded. Consumers have clearly rejected **access** restriction and registration protocols as currently deployed. The general failure of such systems is best represented by the widespread acceptance of Napster and the difficulty with implementations of digital rights management (DRM) systems on consumer PCs. Further, ignoring the historical notion of "fair use" and the "first sale doctrine" serves to obscure the value attributed to content. Success in commercializing the exchange of media content must focus on value in the media; the file format must be relegated to convenience. The presence of a content identification **watermark** is the hook to facilitate a number of potential markets surrounding the use of music, and other media, by consumers. We lay out how several of the **decoding** systems work, and why **watermarks** are a necessary feature of any workable market for the commercial exchange of content.

Subfile: B C

Descriptors: copyright; **decoding** ; **electronic commerce** ; information networks; music; protocols; **watermarking**

Identifiers: Napster phenomenon; copyright management systems; security; **access** restriction; registration protocols; digital rights management; fair use; first sale doctrine; content identification **watermark** ; music; **decoding** systems

Class Codes: B6130C (Speech and audio coding); B6150M (Protocols); B6210L (Computer communications); C6130S (Data security); C5640 (Protocols); C5620W (Other computer networks)  
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6/5/7 (Item 7 from file: 2)

DIALOG(R)File 2:INSPEC

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7271291 INSPEC Abstract Number: B2002-06-6250F-221, C2002-06-6130S-086

**Title: Digital watermarks enabling e - commerce strategies: conditional and user specific access to services and resources**

Author(s): Dittmann, J.; Steinebach, M.; Wohlmacher, P.; Ackermann, R.

Author Affiliation: Fraunhofer Inst. for Integrated Publication & Inf. Syst., FHG IPSI, Darmstadt, Germany

Journal: EURASIP Journal on Applied Signal Processing vol.2002, no.2 p.174-84

Publisher: Hindawi,

Publication Date: Feb. 2002 Country of Publication: USA

CODEN: EJASCT ISSN: 1110-8657

SICI: 1110-8657(200202)2002:2L.174:DWEC;1-K

Material Identity Number: H080-2002-004

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

**Abstract:** Digital **watermarking** is well known as enabling technology to prove ownership on copyrighted material, detect originators of illegally made copies, monitor the usage of the copyrighted multimedia data and analyze the spread spectrum of the data over networks and servers. Research has shown that data hiding techniques can be applied successfully to other application areas like manipulation **recognition**. We show our innovative approach for integrating **watermark** and cryptography based methods within a framework of new application scenarios spanning a wide range from dedicated and user specific services, "Try&Buy" mechanisms, to general means for long-term customer relationships. The tremendous recent efforts to develop and deploy ubiquitous mobile communication possibilities are changing the demands but also the possibilities for establishing new business and commerce relationships. Especially we motivate annotation **watermarks** and aspects of M-commerce (mobile commerce) to show important scenarios for **access** control. Based on a description of the challenges of the application domain and our latest work, we discuss which methods can be used for establishing services in a fast, convenient and secure way for conditional **access** services based on digital **watermarking** combined with cryptographic techniques. We introduce an example scenario for digital audio and an overview of steps in **order** to establish these concepts practically. (27 Refs)

Subfile: B C

Descriptors: audio coding; copy protection; cryptography; data encapsulation; **electronic commerce**; image coding; mobile radio; multimedia communication; multimedia computing

Identifiers: digital **watermarks**; **e - commerce** strategies; copyrighted material; illegal copying; data hiding techniques; cryptography based methods; mobile communication; annotation **watermarks**; mobile commerce; digital audio; multimedia systems; high quality color images

Class Codes: B6250F (Mobile radio systems); B6210R (Multimedia communications); B6135C (Image and video coding); B6120D (Cryptography); B6130C (Speech and audio coding); C6130S (Data security); C5260B (Computer vision and image processing techniques); C6130M (Multimedia)



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6/5/8 (Item 8 from file: 2)

DIALOG(R)File 2:INSPEC

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4689388 INSPEC Abstract Number: B9407-1265D-026, C9407-7410D-131

**Title: Sense junction response in a capacitively coupled Josephson memory cell**

Author(s): Suzuki, H.; Imamura, T.; Hasuo, S.

Author Affiliation: Fujitsu Labs. Ltd., Atsugi, Japan

Journal: Electronics and Communications in Japan, Part 2 (Electronics)  
vol.76, no.9 p.70-9

Publication Date: Sept. 1993 Country of Publication: USA

CODEN: ECJEEJ ISSN: 8756-663X

U.S. Copyright Clearance Center Code: 8756-663X/93/0009-0070

Language: English Document Type: Journal Paper (JP)

Treatment: Theoretical (T); Experimental (X)

Abstract: Previously, a capacitively coupled Josephson memory cell was proposed in which an rf-SQUID device couples capacitively with a single junction. **Binary data** stored in an rf-SQUID device can be **read** through a flux change which generates a pulse signal to be detected. The pulse has a very narrow width, i. e., an **order** of picoseconds. By assuming the **read** mode of a capacitively coupled memory cell, the response of a single junction has been studied for a very narrow-width pulse current which varies with fluxons. The minimum pulsewidth and amplitude required to switch a junction and a bias current dependence before and after the pulse is applied are calculated analytically. The relation between a minimum pulsewidth and amplitude and a switching time for a **sense** junction, which cannot be solved analytically, is calculated by computer simulation. The influence of a sinusoidal current superimposed over a bias current is also studied by computer simulation. (18 Refs)

Subfile: B C

Descriptors: circuit analysis computing; digital simulation; equivalent circuits; SQUIDS; superconducting memory circuits

Identifiers: **sense** junction response; capacitively coupled Josephson memory cell; rf-SQUID; flux change; pulse signal; narrow-width pulse current; minimum pulsewidth; minimum amplitude; bias current dependence; switching time; computer simulation; sinusoidal current; bias current

Class Codes: B1265D (Memory circuits); B3240C (Superconducting junction devices); B1130B (Computer-aided circuit analysis and design); C7410D (Electronic engineering); C5320Z (Other digital storage)

6/5/9 (Item 9 from file: 2)

DIALOG(R)File 2:INSPEC

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01872365 INSPEC Abstract Number: A82062303, B82028992, C82023950

**Title: Digital ultrasonic image construction using electronic ordered dither techniques**

Author(s): Blake, R.A.; Allebach, J.P.

Author Affiliation: Center for Composite Materials, Univ. of Delaware, Newark, DE, USA

Journal: Journal of Nondestructive Evaluation vol.2, no.1 p.75-84

Publication Date: March 1981 Country of Publication: USA

CODEN: JNOED5 ISSN: 0195-9298

Language: English Document Type: Journal Paper (JP)

Treatment: Applications (A); Practical (P)

Abstract: The use of a digital microprocessor based system for the acquisition of ultrasonic C- **scan** information is investigated. The C- **scan** information is displayed on a **binary display** device using **electronic ordered** dither techniques to represent gray levels. The digital system with a **binary display** increases system flexibility and yields better reproducibility and constant image quality independent of the display medium. Images may be stored on magnetic tape or disk for later retrieval and image processing. The techniques which are described allow for image magnification and a reduction in **scan** time by replacing the mechanical **linkage** between the **scanner** and the display with digital signals. A detailed comparison is made between two dither signals, and the advantages of each are discussed. (10 Refs)

Subfile: A B C

Descriptors: acoustic imaging; computerised picture processing; data acquisition; physics computing; ultrasonic materials testing

Identifiers: **electronic ordered** dither techniques; digital microprocessor based system; ultrasonic C- **scan** ; **binary display** device ; gray levels; flexibility; reproducibility; constant image quality; magnetic tape; disk; image processing; image magnification

Class Codes: A4385 (Acoustical measurements and instrumentation); A8170C (Nondestructive testing); B0590 (Materials testing); B7820 (Sonic and ultrasonic applications); C5520 (Data acquisition equipment and techniques ); C7320 (Physics and Chemistry)

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S1	10412	STEGANOGRAPH? OR WATERMARK? OR WATER()MARK? OR (BINARY OR - ENDCOD? OR EMBED? OR IMBED? OR CONCEAL? OR HIDDEN OR OBJECT) (- N) (DATA OR IMAGE? ? OR DESIGN? ? OR DISPLAY? ? OR DRAWING? ? - OR GRAPH? OR MESSAGE? ? OR TEXT OR INDICIUM OR INDICIA)
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S3	4187432	LINK? OR CONNECT? OR CONTACT? OR ACCESS? OR ORDER?
S4	894	S1(2S)S2(S2)S3
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S6	61	S4(3S)S5
S7	59	RD (unique items)
S8	3	S7 NOT PY>1995

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01094677 97-44071

**Tapping into the Internet**

Cohen, Eric E

Journal of Accountancy v180n2 PP: 59-62 Aug 1995

ISSN: 0021-8448 JRNL CODE: JAC

WORD COUNT: 2496

...TEXT: today.

\* An electronic storefront. Businesses as diverse as flower shops and airlines are setting up **virtual shops** on the Net, and their cash registers are beginning to ring. Marketing-savvy CPAs and...

...free services as loss leaders and advertisements for their consulting expertise.

Slowly the barriers to **accessing** the Net, uncovering **data hidden** in its libraries and setting up shop, are coming down. One of the Internet's most powerful utilities, the World Wide Web (WWW), can now be **accessed** and navigated relatively easily with a mouse. The key point is that the Internet is becoming both user friendly and user vital. And unless accounting professionals **recognize** that the future of their business is information--finding it, creating it, formatting it, using...

...In fact, one accounting software publisher, SBT Accounting Systems, just introduced a module called the **Web Trader** that handles such data.

These are just some of the resources and business opportunities available  
...

8/3,K/2 (Item 2 from file: 15)  
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00952038 96-01431

**Database requirements for CIM applications**

Kappel, Gerti; Vieweg, Stefan

Integrated Manufacturing Systems v5n4,5 PP: 48-63 1994

ISSN: 0957-6061 JRNL CODE: ING

WORD COUNT: 11707

...TEXT: MANAGEMENT

Advanced transaction management is concerned with database support for applications that demand consistent database **access** beyond the traditional scope. Traditional data processing in business applications is known as **on - line transaction** processing (OLTP). Relatively simple operations such as querying and updating of huge amounts of small records are performed. CIM applications such as engineering design and production control have different **access** patterns and thus need advanced transaction management concepts, such as semantics based concurrency control, co...

...are much longer than in traditional data processing. A single engineer

may check out a **design object** from a public database into his private database and may work on it for days...  
...concurrent transactions to yield the same results as if they were executed serially in some **order**. Durability guarantees to preserve the effects of committed transactions after recovery from system failure or...

...complete rollback in case of a memory failure is inadequate. Consistency checking using the no- **read** -write conflict paradigm has to be extended to semantics based concurrency control[32]. The conventional approach to the problem of concurrency control is based on the synchronization of database **reads** and writes. The concurrent execution of transactions is allowed (consistent and isolated) if they have...

...concepts relax this requirement using knowledge about the application domain, the application process, and the **access** patterns of the users that concurrently use the database. Nonserializable transactions thus allow the interleaving...

8/3,K/3 (Item 1 from file: 813)  
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0021601 NY46A  
**AT&T ANNOUNCES INTERCONNECTION OF AT&T MAIL TO OTHER SYSTEMS**

DATE: September 16, 1987 15:54 E.T. WORD COUNT: 553

...According to Cunningham, AT&T Mail Gateway400 is one more step toward allowing customers to **connect** systems from different vendors. As new interconnections are made with other vendors, AT&T Mail subscribers will be able to extend their **electronic order** entry and information exchange applications into other countries.

The interconnection between AT&T and Telecom...

...use of international 800 and 900 services and has provided the first international digital service **connections** between AT&T's DATAPHONE(R) Digital Service and ACCUNET(R) T1.5 service and...

...Dataroute(A) and Megaroute(A) services.

Within the United States, AT&T Mail subscribers can **access** messages electronically at their PCs and terminals, as well as hear Mail Talk's synthesized voice **read** their messages over any touch-tone phone.

Messages can be sent just as easily to...

...copy form using the U.S. Postal Service, a courier, or Telex. In addition to **messages**, **binary** files -- such as spreadsheets and computer files -- can be sent with AT&T Mail.

Set	Items	Description
S1	50724	STEGANOGRAPH? OR WATERMARK? OR WATER()MARK? OR (BINARY OR - ENDCOD? OR EMBED? OR IMBED? OR CONCEAL? OR HIDDEN OR OBJECT) (- N) (DATA OR IMAGE? ? OR DESIGN? ? OR DISPLAY? ? OR DRAWING? ? - OR GRAPH? OR MESSAGE? ? OR TEXT OR INDICIUM OR INDICIA)
S2	6168467	SCAN? ? OR SCANN? OR SENS??? OR DECOD? OR RECOGNI? OR INPU- T? OR WAND??? OR SWIP??? OR READ??? OR OPTICAL(1W)DEVICE?
S3	15069210	LINK? OR CONNECT? OR CONTACT? OR ACCESS? OR ORDER?
S4	7201	S1(3S)S2(3S)S3
S5	1979051	(E OR ELECTRONIC OR ON()LINE OR ONLINE OR INTERNET OR NET - OR WEB OR WWW OR REMOTE OR VIRTUAL? OR DIGITAL? OR CYBER OR (- AT OR IN) ()HOME) (1W) (COMMERCE OR SHOP? OR SELLING OR RETAIL? - OR SALE? ? OR ORDER? OR PURCHAS? OR TRANSACT? OR EXCHANGE? OR MARKET? OR TR
S6	746	S4(3S)S5
S7	34	S6 NOT PY>1995
S8	454	S1(2S)S2(2S)S3(2S)S5
S9	13	S8 NOT PY>1995
S10	10	RD (unique items)
S11	376	STEGANOGRAPH?
S12	63	S11 AND S5
S13	2	S12 NOT PY>1995
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Internet Week, v1, n23, pN/A  
Sept 11, 1995  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 1894

... the most critical problems users and enterprises face in turning the Internet into a workable **online marketplace**. The protection of intellectual property rights is a complex issue even when applied to traditional...

...focusing on penalties, the report encourages finding technological solutions -- such as cryptography, digital signatures, and **steganographic** methods of tagging electronic documents -- to address copyright problems. By using these technologies, copyright holders...

...or alteration of copyright-management information. In other words, electronic forgery of digital signatures or **steganographic** tags would be illegal.

Service Providers May Be Liable  
Under the working group's recommendations...

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**The resource directory. (covers issues involving multimedia and the law and evaluates corresponding books and CDs; includes related articles) (Buyers Guide)**  
Bowers, Richard A.  
CD-ROM Professional, v8, n2, p110(8)  
Feb, 1995  
DOCUMENT TYPE: Buyers Guide ISSN: 1049-0833 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 4889 LINE COUNT: 00395

... Strong MIT Press 55 Hayward Street Cambridge, MA 02142  
800/356-0343; 617/825-8569 **Internet** --mitpress- **orders** [at]mit.edu  
ISBN: 0-262-19330-2, 1993, 280 pages, \$22.50  
One of...

...MIT Press Journals 55 Hayward Street Cambridge, MA 02142 800/356-0343;  
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ISBN: 0-262-69170-1, Serial (published irregularly between editions of The...  
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